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this is a wonderful collection of 30 high quality amazing images produced by a series of today's top professional photographers enjoy and be inspired the illustrations in this text meld the exciting historical commentary the first hand accounts of soldiers on both sides and the factual information into an atmospheric and coherent account of one of the most pivotal battles of world war 2 a brilliant and prolific collection of rare photographs celebrating the war winning qualities of arguably the most important tank of the second world war many of the marvelous images have never been seen before but thanks to the author who has special access to the iwm archive they are now available with full authoritative captions the m1 abrams has proved itself to be the finest main battle tank in the world since its introduction into us army service in 1981 it combines the ultimate balance between firepower mobility and protection as demonstrated by its superior performance during the two gulf wars and in afghanistan it routed the soviet equipment of saddam hussein's army and today remains the yardstick by which friends and foes mbts are judged its versatility and continual modernisation of weaponry armour and engineering guarantees that the m1 abrams will remain the us army's spearpoint for years to come expert author michael green has produced a comprehensive collection of images and highly informed text this pictorial history of the legendary american tank combines color photographs commissioned illustrations and authoritative information the m4 sherman was one of the most famous tanks of the second world war produced in greater numbers than any other allied tank it fought on every front and continued to serve as a front line fighting vehicle in the korean war the arab israeli wars and the indo pakistani wars this detailed history of the sherman covers its design and development its technical specifications the many variants that were produced and its operational role in conflicts across the world while the sherman outclassed the older german tanks it encountered when it first went into combat in 1942 it was vulnerable to the later german medium and heavy tanks such as the panther tiger i and tiger ii yet the sherman was ultimately more effective than these superior german tanks because it was reliable durable cheaper to build and extremely adaptable the sherman was converted into a tank destroyer an amphibious tank a recovery vehicle a mine flail a personnel carrier and after the second world war it was developed to confront more modern tanks in combat pat ware's expert account of this remarkable fighting vehicle is accompanied by a series of color plates showing the main variants of the design as well as common ancillary equipment and unit markings this is an essential reference work for world war ii buffs and armored warfare enthusiasts this fully illustrated wwii history examines the varieties of german light tanks and their usage throughout the conflict with rare wartime photographs at the outbreak of the second world war hitler's wehrmacht led the way in armored warfare as blitzkriegs overwhelmed poland and north west europe the contribution of light tanks such as panzers i ii and 35 t was critical as the war spread to the balkans north africa and the invasion of russia german engineers modified existing light tanks and developed new models these included tank destroyers such as the marder iii panzerjäger sdkfz 138 1 and 139 there were anti aircraft variants including the flakpanzer 38 t and reconnaissance tanks such as the sdkfz 140 1 and the aufklarungspanzer 38 t this superbly illustrated book gives a comprehensive overview of the multitude of german light tanks that came into service with the text and captions providing technical data the images show this formidable array of fighting vehicles in action across the theatres of war an in depth illustrated history of one of the most successful post war british tanks from the author of special forces vehicles forces pension society few tank designs have been as effective versatile and long lived as that of the british centurion conceived during the second world war as the answer to the superior german tiger and panther tanks and to the lethal 88mm gun this 52 ton main battle tank incorporated the lessons british designers had learned about armored fighting vehicles during the conflict and it was free of the major faults that had impaired the other british tank designs of the time the centurion was so successful that it served in the british army and in numerous other armies across the world from 1945 until the 1990s pat ware's highly illustrated history of this remarkable tank covers its design and development its technical specifications and the many variants that were produced he tells the story from the design brief of 1943 through testing and trials to the tank's entry into service in addition he traces the course of the centurion's subsequent career as it was updated up gunned and adapted to operate in varied conditions and conflicts all over the world including korea the indo pakistan wars vietnam and the arab israeli wars his expert account of this remarkable fighting vehicle is accompanied by a series of color plates showing the main variants of the design and the common ancillary equipment and unit markings his book is an essential work of reference for enthusiasts an impressive tribute to a superb vehicle the pegasus archive this expert study of the u s military's armored vehicles deployed during the cold war features rare photographs from the wartime archives to counter the soviet threat and that of their client states during the cold war years 1949 1991 the american military deployed an impressive range of main battle tanks and armored fighting vehicles expert author michael green presents a detailed study of these vehicles and their variants in this informative volume of stunning wartime photographs the patton series of medium main battle tanks including the m46 m47 and m48 supplemented by the m103s heavy tank initially formed the core of the us tank fleet in 1960 the m60 mbt entered service and in turn was replaced by the m1 abrams in 1980 in support were armored reconnaissance vehicles progressively the m41 bull

dog 1951 the m114 1961 the m551 sheridan 1967 and m3 bradley cavalry fighting vehicle 1981 the armored personnel carrier range included the ubiquitous m113 and its replacement the m2 bradley cousin of the m3 all of these vehicles are covered in this highly detailed volume in the images of war series captioned photographs and text trace the use of the tanks and related vehicles in the world from 1915 to the present the heavy tanks and other armored vehicles of wwii germany come vividly to life in this informative volume of detailed wartime photos with rare often unpublished photographs and enlightening captions hitler s heavy tiger tank battalions provides a superb record of the wehrmacht s schwere panzerableitung in addition to the tiger i and ii heavy tanks these battalions were equipped with panzer iii medium tanks flakpanzer iv self propelled anti aircraft guns halftrack special purpose vehicles kettenkrad gun tractors and berge panther armored recovery vehicles between 1942 and 1945 heavy tank battalions saw action on the eastern front italy and north west europe before being pushed back to berlin for the final defensive battles this volume features graphic photographs and descriptions of vehicles on operations in all these theatres modelers and equipment buffs in particular will find this images of war book extremely useful and fascinating this wwii pictorial history of russia s tanks and armored fighting vehicles provides a vivid look at the eastern front through rare wartime photographs when hitler s armies advanced into russia it was stalin s tanks and armored fighting vehicles that finally pushed them back from the outskirts of moscow at the battle of kursk in the summer of 1943 the soviet tanks and afvs proved their effectiveness by defeating the cream of the panzertruppen from that point on the tanks and armored fighting vehicles of the red army continued their offensive operations until they victoriously entered berlin in april and may of 1945 in this fascinating pictorial history military expert michael green provides historical images of the full range of russian armor as well as exterior and interior color photos of preserved and restored tanks and afvs from the period this latest book in the images of war series brings to life the red army s efforts to repel hitler s panzer armies perhaps the british did not produce the most successful tanks of the second world war but they certainly designed an extraordinary range of light medium and heavy tanks along with many that were adapted for special purposes this fascinating variety of military machinery is recorded in pat wares photographic history using a selection of wartime photographs supported by some modern photographs of preserved vehicles the book describes the origins of the tank in britain during the first world war looks at british tank development during the inter war period and contrasts this with advances made elsewhere in germany france the usa and the soviet union all of the british tanks that saw service during the second world war are described among them the cruisers crusader cromwell comet the infantry tanks matilda valentine churchill and the us imports stuart lee grant sherman finally an extensive section is devoted to the so called funnies the tanks developed for crucial tasks like bridge laying mine clearing flame throwing and amphibious operation pat wares photographic survey of these tanks at war is an expert introduction to a key period in the history of british fighting vehicles a fully illustrated and historically informative guide to building scale models of the u s army s iconic cold war main battle tank the m48 patton main battle tank was one of the longest serving and most successful designs in the u s military a significant advance from the sherman and m47 the m48 formed the backbone of american armored forces during the early years of the cold war it saw combat in vietnam during the indo pakistan wars and in the middle east especially during the iran iraq war archive photos of the m48 in service and extensively researched color profile illustrations depict the tank throughout its operational life a large part of the book showcases available model kits and aftermarket products complemented by a gallery of beautifully constructed and painted models in various scales technical details as well as modifications introduced during production and in the field are also examined and provide everything the modeler needs to recreate an accurate representation of the m48 this pictorial history presents an in depth study of the various tanks built and deployed by the axis alliance during wwii though nazi panzer tanks have become a ubiquitous symbol of axis alliance combat the japanese army had more tanks than germany in 1938 these included the type 95 light tank and the type 89 and 97 medium tanks other axis powers including italy romania and hungary also built their own tanks the latter was responsible for the toldi and turan light tank series in this informative collection of wartime photographs military expert michael green discusses how the axis powers drew on british and french tank designs in the period leading up to the second world war the carden loyd tankette suspension was used as a model for the panzer 1 series as well as the light italian and japanese tanks german engineering talent then produced the ingenious designs of the panzer ii iii and iv series and later in the war the panther medium and tiger heavy tanks this wwii pictorial history of nazi anti tank vehicles illustrates the germans ever increasing need for defense against allied armor during world war ii combatants on both sides developed increasingly effective armored vehicles and tactics the german military s answer to american shermans and british cruisers was to create dedicated anti tank vehicles such as the panzerjger i sturmgeschutz marders nashorn hetzer jagdpanzer elefant jagdtiger iv and jagdpanther fully illustrated with rare wartime photographs hitler s tank destroyers covers the each of these models detailing their development and technology throughout the war as the war progressed larger and more powerful tank destroyers entered the battlefield due the overwhelming enemy opposition they were compelled to not only attack armor but also support ground troops this comprehensive account covers all the nazis mobile anti tank vehicles in words and images led by the usa with western european partners the north atlantic treaty organization nato was formed in 1949 to counter the soviet threat in response the soviet union assembled and dominated the warsaw pact in 1954 the mainstay of both alliances groundforces were their main battle tanks mbts initially both sides relied on

second world war mbts in nato s case the sherman medium tank and its successor the m26 pershing together with the british centurion and the heavy conqueror the soviets originally fielded the t 34 85 medium tank and the is 2 and is 3 heavy tank replaced by the t 10 next came the t 54 followed by the t 55 and 155mm armed t 63 1965 the final wp cold war mbts were the t 64 t 72 and t 80 all with 122mm main armament by contrast nato nations increasingly deployed a range of mbts the widely used american patton series m46 through m48 british chieftain 1963 and challenger 1982 french amx 13 1950 and amx 30 from 1963 the bundeswehr was equipped with the homegrown leopard 1 and 2 the us m60 series and m1 abrams came into service from 1980 these and more mbts and variants are covered in expert detail in this superbly illustrated book

1930 tiger the very name that allied troops feared it came to symbolize the superiority of german tank design this book has been created as a photo essay showing the best available and rare photographs of tigers with units at the front no tank that the allies fielded in world war ii was comparable to this combination of the 88mm gun with massive armor protection allied tankers didn t think that they stood a chance of defeating these formidable tigers they only hoped that these heavy tanks would breakdown become immobilized in soft ground or be damaged by lucky hits on vulnerable points our tank coloring books are just one of the most fun ways for your kid with coloring various types of tanks your kid will enjoy drawing and coloring these pictures and have a wonderful pastime along with all the other advantages your kid would develop motor skills stimulation creativity color awareness recognition and focus this coloring book makes an excellent gift or present for any little child amazing features 8 5 x 11 21cm x 29 7cm mega size book amazing cover design single sided pages to avoid bleeding high resolution printing makes a great gift after six decades the term tiger tank still manages to invoke a vision of bulk and malignant might among all with even a slight knowledge of military matters that vision still shows no signs of fading when the first tigers appeared they created a huge problem for all allied soldiers of world war 2 who faced the possibility of encountering them yet as time was to tell the tiger was not invulnerable and it had its short comings even so after the passage of years the tiger remains one of the enduring images of tank warfare book jacket the military historian and tank expert examines the evolution of the patton tank through archival photographs across four decades of armored warfare in the early cold war years a tank more powerful than the sherman or pershing was needed the first patton tanks the m46s were converted pershings which saw service in korea the m47 with a more effective 90mm gun and turret was then developed to counter the soviet military threat later the diesel powered m48a3 was used by the us marine corps and us army in south vietnam further patton models emerged in the coming decades including the diesel powered m60 series with its british designed 105mm gun pattons were also made into specialist vehicles including anti aircraft flame throwers recovery and combat engineer vehicles other countries notably israel made their own modifications to their m48s as well in this volume full of superbly detailed wartime photographs american tank expert michael green discusses all of these variations and their uses in combat zones around the world from d day to the end of hostilities the sherman tank was the backbone of allied armored formations involved in the european theater of operations best known to the americans by the acronym eto purpose of the book is to describe and illustrate the main versions of one of the most famous world war two armored vehicles used by allies and therefore by american british canadian czechoslovakian french and polish units in battles fought along the way from the beaches of normandy up to the reich particular attention has been paid to the historical aspects of the topic without neglecting the technical point of view given the limited space and the wide availability of data and pictures the decision to deal exclusively with the basic versions of the sherman was the only choice the discussion about the special vehicles based on this tank would have gone to the expense of most important general issues at the start of the campaign on the eastern front in the earliest days of operation barbarossa it was the german armour that swept all in front of it as the wehrmacht drove eastwards in an unrelenting advance on leningrad moscow and stalingrad the ill prepared and under resourced russian forces were forced to retreat gradually the balance of the war swung in favour of the russian forces whose strength both in numbers and equipment proved decisive in the ultimate defeat of the german forces in the east critical in the soviet victory was its armour tanks such as the t 34 proving the equal if not better than some of the tanks available to the germans this authoritative history of the soviet forces before and during world war 2 reveals the development of their tactics in the early post revolutionary era right through to the ultimate victory in berlin in may 1945 the dramatic struggle of the tank crews against the german advance is told through some 200 contemporary photographs many of which have never been seen before the photographs include images of tank training in the 1920s and 1930s on active service and many compelling pictures from some of the major tank battles of the day over the past five years aided by the opening up of archives in russia previously closed to western experts there has been a massive growth in interest in the events that occurred on the eastern front russian tanks is an important addition to the literature currently available exploring as it does the vitally important soviet armour of the period a photographic history of the principal main battle tank of the modern us military conceived to counter the threat of a massive soviet armored incursion in europe the m1 abrams tank gained considerable fame during the persian gulf war of 1991 and its combat record has continued to climb with such a long service life the abrams has undergone continual improvements and

upgrades which are illustrated in great detail in this volume the unique features of the various models are detailed in stunning color photos and the combat use of these fearsome vehicles is richly illustrated through previously unpublished photos the story of the abrams begins in the late 1960s when the threat of soviet armor developments forced the u s to look for a suitable replacement for the m60 series a joint venture between the u s and west germany to build a suitable common main battle tank brought about the unorthodox and terribly expensive mbt70 it never saw series production when this program was cancelled in 1970 a quest for a more cost effective tank was begun the constant development upgrade and conversion of the series have kept the abrams at the forefront of main battle tank technology and it has proven itself on the battlefield time and time again this book filled with rare archival photos takes us through decades of its remarkable history including improvements to its armor transmission and engine the addition of an integrated nuclear biological and chemical system the installation of a layer of depleted uranium and interior blast doors to protect the crew and more expert author michael green has compiled a full inventory of the tanks developed and deployed by the allied armies during the six year war against nazi germany and her axis partners there were four categories of tank light medium heavy and super heavy combat experience proved light tanks such as the stuart and t 26 to be ineffective medium tanks the us m4 series named sherman by the british and russian t 34 soon dominated with their fire power protection and mobility the later stages of the war required the allies to answer the axis panther and tiger tanks with up gunned and up armoured second generation m4s t 34 85s and the sherman firefly totally new heavy tanks such as the m 26 pershing soviet kv 1 series and the british centurion only saw action in the final months allied tanks of the second world war covers all these categories in detail as well as the few super heavy tanks such as the french char 2c and the tog for an informed and highly illustrated work this book has no comparable rival the greatest tank battle in world history opened during the early hours of 5 july 1943 and its outcome was to decide the eventual outcome of the war on the eastern front battle of kursk 1943 is an illustrated account of this battle of the war on the eastern front when the germans threw 900 000 men and 2 500 tanks against 1 300 000 soldiers and this unique pictorial history captures the many types of armored vehicles used across the western front of wwii through soldiers photos of enemy wreckage early in the second world war victorious german soldiers regularly photographed and posed with destroyed or abandoned allied tanks when the tide of the war turned against them in 1944 their wrecked panzers were photographed by victorious allies the practice created an extraordinary record of the thousands of tank wrecks that littered the battlefields across the western front in this volume anthony tucker jones has selected a fascinating collection of these historic images forming a rare visual guide to the fate of world war ii armor all the principal tanks of the conflict are represented renaults matildas churchills shermans panzer ivs panthers and tigers along with many others tanks wrecks of the western front provides insight into the rapid development of tank design during the war and shows how vulnerable these armored vehicles were to antitank guns and air attacks kurt tank was without doubt one of germany s foremost aircraft designers responsible for some of the finest products of the german aviation industry before and during world war ii the range of aircraft types produced by the focke wulf concern was prodigious covering small biplane trainers advanced fighters and long range passenger aircraft all of which were highly successful designs tank was however a man of his times and this album of personal photos gives an idea of the sights and events which interested and surrounded him in the momentous early years of world war ii all the pictures in this book came from tank s own album the images being scanned from photographs specially printed from the original 35 mm negatives all are accompanied by highly detailed captions and descriptive text practical deep learning teaches total beginners how to build the datasets and models needed to train neural networks for your own dl projects if you ve been curious about machine learning but didn t know where to start this is the book you ve been waiting for focusing on the subfield of machine learning known as deep learning it explains core concepts and gives you the foundation you need to start building your own models rather than simply outlining recipes for using existing toolkits practical deep learning teaches you the why of deep learning and will inspire you to explore further all you need is basic familiarity with computer programming and high school math the book will cover the rest after an introduction to python you ll move through key topics like how to build a good training dataset work with the scikit learn and keras libraries and evaluate your models performance you ll also learn how to use classic machine learning models like k nearest neighbors random forests and support vector machines how neural networks work and how they re trained how to use convolutional neural networks how to develop a successful deep learning model from scratch you ll conduct experiments along the way building to a final case study that incorporates everything you ve learned the perfect introduction to this dynamic ever expanding field practical deep learning will give you the skills and confidence to dive into your own machine learning projects a photographic history of the destruction left in the wake of the world s largest confrontation between mechanized armies highly recommended amps indianapolis four years of armored battle on the eastern front in the second world war littered the battlefields with the wrecks of destroyed and disabled tanks and anthony tucker jones s photographic history is a fascinating guide to them it provides a graphic record of the various types of tank deployed by the red army and the wehrmacht during the largest and most destructive confrontation between mechanized armies in military history during the opening stages of the war the german victors regularly photographed and posed with destroyed soviet armor operation barbarossa left 17 000 smashed soviet tanks in its wake and the heavy and medium tanks such as the t 28 t 35 kv 1 and t 34 proved to be a source of endless interest once the tide turned the wrecked and burnt

Just Tanks! vol. 1 2002 this is a wonderful collection of 30 high quality amazing images produced by a series of today's top professional photographers enjoy and be inspired

Images of Kursk 2008-08-29 the illustrations in this text meld the exciting historical commentary the first hand accounts of soldiers on both sides and the factual information into an atmospheric and coherent account of one of the most pivotal battles of world war 2

Sherman Tank 2015-10-30 a brilliant and prolific collection of rare photographs celebrating the war winning qualities of arguably the most important tank of the second world war many of the marvelous images have never been seen before but thanks to the author who has special access to the iwm archive they are now available with full authoritative captions

M1 Abrams Tank 2014-02-10 the m1 abrams has proved itself to be the finest main battle tank in the world since its introduction into us army service in 1981 it combines the ultimate balance between firepower mobility and protection as demonstrated by its superior performance during the two gulf wars and in afghanistan it routed the soviet equipment of saddam hussein's army and today remains the yardstick by which friends and foes mbts are judged its versatility and continual modernisation of weaponry armour and engineering guarantees that the m1 abrams will remain the us army's spearpoint for years to come expert author michael green has produced a comprehensive collection of images and highly informed text

M4 Sherman 2019-10-30 this pictorial history of the legendary american tank combines color photographs commissioned illustrations and authoritative information the m4 sherman was one of the most famous tanks of the second world war produced in greater numbers than any other allied tank it fought on every front and continued to serve as a front line fighting vehicle in the korean war the arab israeli wars and the indo pakistani wars this detailed history of the sherman covers its design and development its technical specifications the many variants that were produced and its operational role in conflicts across the world while the sherman outclassed the older german tanks it encountered when it first went into combat in 1942 it was vulnerable to the later german medium and heavy tanks such as the panther tiger i and tiger ii yet the sherman was ultimately more effective than these superior german tanks because it was reliable durable cheaper to build and extremely adaptable the sherman was converted into a tank destroyer an amphibious tank a recovery vehicle a mine flail a personnel carrier and after the second world war it was developed to confront more modern tanks in combat pat ware's expert account of this remarkable fighting vehicle is accompanied by a series of color plates showing the main variants of the design as well as common ancillary equipment and unit markings this is an essential reference work for world war ii buffs and armored warfare enthusiasts

Hitler's Light Tanks 2013-04-19 this fully illustrated wwii history examines the varieties of german light tanks and their usage throughout the conflict with rare wartime photographs at the outbreak of the second world war hitler's wehrmacht led the way in armored warfare as blitzkriegs overwhelmed poland and north west europe the contribution of light tanks such as panzers i ii and 35 t was critical as the war spread to the balkans north africa and the invasion of russia german engineers modified existing light tanks and developed new models these included tank destroyers such as the marder iii panzerjäger sdkfz 138 1 and 139 there were anti aircraft variants including the flakpanzer 38 t and reconnaissance tanks such as the sdkfz 140 1 and the aufklarungspanzer 38 t this superbly illustrated book gives a comprehensive overview of the multitude of german light tanks that came into service with the text and captions providing technical data the images show this formidable array of fighting vehicles in action across the theatres of war

The Centurion Tank 2019-08-30 an in depth illustrated history of one of the most successful post war british tanks from the author of special forces vehicles forces pension society few tank designs have been as effective versatile and long lived as that of the british centurion conceived during the second world war as the answer to the superior german tiger and panther tanks and to the lethal 88mm gun this 52 ton main battle tank incorporated the lessons british designers had learned about armored fighting vehicles during the conflict and it was free of the major faults that had impaired the other british tank designs of the time the centurion was so successful that it served in the british army and in numerous other armies across the world from 1945 until the 1990s pat ware's highly illustrated history of this remarkable tank covers its design and development its technical specifications and the many variants that were produced he tells the story from the design brief of 1943 through testing and trials to the tank's entry into service in addition he traces the course of the centurion's subsequent career as it was updated up gunned and adapted to operate in varied conditions and conflicts all over the world including korea the indo pakistan wars vietnam and the arab israeli wars his expert account of this remarkable fighting vehicle is accompanied by a series of color plates showing the main variants of the design and the common ancillary equipment and unit markings his book is an essential work of reference for enthusiasts an impressive tribute to a superb vehicle the pegasus archive

US Cold War Tanks and Armoured Fighting Vehicles 1984 this expert study of the u s military's armored vehicles deployed during the cold war features rare photographs from the wartime archives to counter the soviet threat and that of their client states during the cold war years 1949 1991 the american military deployed an impressive range of main battle tanks and armored fighting vehicles expert author michael green presents a detailed study of these vehicles and their

variants in this informative volume of stunning wartime photographs the patton series of medium main battle tanks including the m46 m47 and m48 supplemented by the m103s heavy tank initially formed the core of the us tank fleet in 1960 the m60 mbt entered service and in turn was replaced by the m1 abrams in 1980 in support were armored reconnaissance vehicles progressively the m41 bull dog 1951 the m114 1961 the m551 sheridan 1967 and m3 bradley cavalry fighting vehicle 1981 the armored personnel carrier range included the ubiquitous m113 and its replacement the m2 bradley cousin of the m3 all of these vehicles are covered in this highly detailed volume in the images of war series

A Photo History of Tanks in Two World Wars 2020-02-28 captioned photographs and text trace the use of the tanks and related vehicles in the world from 1915 to the present

Hitler's Heavy Tiger Tank Battalions, 1942-1945 2013-09-19 the heavy tanks and other armored vehicles of wwii germany come vividly to life in this informative volume of detailed wartime photos with rare often unpublished photographs and enlightening captions hitler s heavy tiger tank battalions provides a superb record of the wehrmacht s schwere panzerableitung in addition to the tiger i and ii heavy tanks these battalions were equipped with panzer iii medium tanks flakpanzer iv self propelled anti aircraft guns halftrack special purpose vehicles kettenkrad gun tractors and berge panther armored recovery vehicles between 1942 and 1945 heavy tank battalions saw action on the eastern front italy and north west europe before being pushed back to berlin for the final defensive battles this volume features graphic photographs and descriptions of vehicles on operations in all these theatres modelers and equipment buffs in particular will find this images of war book extremely useful and fascinating

Russian Armour in the Second World War 2011-12-13 this wwii pictorial history of russia s tanks and armored fighting vehicles provides a vivid look at the eastern front through rare wartime photographs when hitler s armies advanced into russia it was stalin s tanks and armored fighting vehicles that finally pushed them back from the outskirts of moscow at the battle of kursk in the summer of 1943 the soviet tanks and afvs proved their effectiveness by defeating the cream of the panzertruppen from that point on the tanks and armored fighting vehicles of the red army continued their offensive operations until they victoriously entered berlin in april and may of 1945 in this fascinating pictorial history military expert michael green provides historical images of the full range of russian armor as well as exterior and interior color photos of preserved and restored tanks and afvs from the period this latest book in the images of war series brings to life the red army s efforts to repel hitler s panzer armies

British Tanks: The Second World War 2020-01-30 perhaps the british did not produce the most successful tanks of the second world war but they certainly designed an extraordinary range of light medium and heavy tanks along with many that were adapted for special purposes this fascinating variety of military machinery is recorded in pat wares photographic history using a selection of wartime photographs supported by some modern photographs of preserved vehicles the book describes the origins of the tank in britain during the first world war looks at british tank development during the inter war period and contrasts this with advances made elsewhere in germany france the usa and the soviet union all of the british tanks that saw service during the second world war are described among them the cruisers crusader cromwell comet the infantry tanks matilda valentine churchill and the us imports stuart lee grant sherman finally an extensive section is devoted to the so called funnies the tanks developed for crucial tasks like bridge laying mine clearing flame throwing and amphibious operation pat wares photographic survey of these tanks at war is an expert introduction to a key period in the history of british fighting vehicles

M48 Patton 1978 a fully illustrated and historically informative guide to building scale models of the u s army s iconic cold war main battle tank the m48 patton main battle tank was one of the longest serving and most successful designs in the u s military a significant advance from the sherman and m47 the m48 formed the backbone of american armored forces during the early years of the cold war it saw combat in vietnam during the indo pakistan wars and in the middle east especially during the iran iraq war archive photos of the m48 in service and extensively researched color profile illustrations depict the tank throughout its operational life a large part of the book showcases available model kits and aftermarket products complemented by a gallery of beautifully constructed and painted models in various scales technical details as well as modifications introduced during production and in the field are also examined and provide everything the modeler needs to recreate an accurate representation of the m48

□□□□ 2017-07-30 this pictorial history presents an in depth study of the various tanks built and deployed by the axis alliance during wwii though nazi panzer tanks have become a ubiquitous symbol of axis alliance combat the japanese army had more tanks than germany in 1938 these included the type 95 light tank and the type 89 and 97 medium tanks other axis powers including italy romania and hungary also built their own tanks the latter was responsible for the toldi and turan light tank series in this informative collection of wartime photographs military expert michael green discusses how the axis powers drew on british and french tank designs in the period leading up to the second world war the carden loyd tankette suspension was used as a model for the panzer 1 series as well as the light italian and japanese tanks german engineering talent then produced the ingenious designs of the panzer ii iii and iv series and later in the war the panther medium and

the beaches of normandy up to the reich particular attention has been paid to the historical aspects of the topic without neglecting the technical point of view given the limited space and the wide availability of data and pictures the decision to deal exclusively with the basic versions of the sherman was the only choice the discussion about the special vehicles based on this tank would have gone to the expense of most important general issues

The Patton Tank 2019-06-03 at the start of the campaign on the eastern front in the earliest days of operation barbarossa it was the german armour that swept all in front of it as the wehrmacht drove eastwards in an unrelenting advance on leningrad moscow and stalingrad the ill prepared and under resourced russian forces were forced to retreat gradually the balance of the war swung in favour of the russian forces whose strength both in numbers and equipment proved decisive in the ultimate defeat of the german forces in the east critical in the soviet victory was its armour tanks such as the t 34 proving the equal if not better than some of the tanks available to the germans this authoritative history of the soviet forces before and during world war 2 reveals the development of their tactics in the early post revolutionary era right through to the ultimate victory in berlin in may 1945 the dramatic struggle of the tank crews against the german advance is told through some 200 contemporary photographs many of which have never been seen before the photographs include images of tank training in the 1920s and 1930s on active service and many compelling pictures from some of the major tank battles of the day over the past five years aided by the opening up of archives in russia previously closed to western experts there has been a massive growth in interest in the events that occurred on the eastern front russian tanks is an important addition to the literature currently available exploring as it does the vitally important soviet armour of the period

The Sherman Medium Tank 2002 a photographic history of the principal main battle tank of the modern us military conceived to counter the threat of a massive soviet armored incursion in europe the m1 abrams tank gained considerable fame during the persian gulf war of 1991 and its combat record has continued to climb with such a long service life the abrams has undergone continual improvements and upgrades which are illustrated in great detail in this volume the unique features of the various models are detailed in stunning color photos and the combat use of these fearsome vehicles is richly illustrated through previously unpublished photos the story of the abrams begins in the late 1960s when the threat of soviet armor developments forced the u s to look for a suitable replacement for the m60 series a joint venture between the u s and west germany to build a suitable common main battle tank brought about the unorthodox and terribly expensive mbt70 it never saw series production when this program was cancelled in 1970 a quest for a more cost effective tank was begun the constant development upgrade and conversion of the series have kept the abrams at the forefront of main battle tank technology and it has proven itself on the battlefield time and time again this book filled with rare archival photos takes us through decades of its remarkable history including improvements to its armor transmission and engine the addition of an integrated nuclear biological and chemical system the installation of a layer of depleted uranium and interior blast doors to protect the crew and more

Russian Tanks of World War II 2019-06-30 expert author michael green has compiled a full inventory of the tanks developed and deployed by the allied armies during the six year war against nazi germany and her axis partners there were four categories of tank light medium heavy and super heavy combat experience proved light tanks such as the stuart and t 26 to be ineffective medium tanks the us m4 series named sherman by the british and russian t 34 soon dominated with their fire power protection and mobility the later stages of the war required the allies to answer the axis panther and tiger tanks with up gunned and up armoured second generation m4s t 34 85s and the sherman firefly totally new heavy tanks such as the m 26 pershing soviet kv 1 series and the british centurion only saw action in the final months allied tanks of the second world war covers all these categories in detail as well as the few super heavy tanks such as the french char 2c and the tog for an informed and highly illustrated work this book has no comparable rival

M1 Abrams 2017-03-30 the greatest tank battle in world history opened during the early hours of 5 july 1943 and its outcome was to decide the eventual outcome of the war on the eastern front battle of kursk 1943 is an illustrated account of this battle of the war on the eastern front when the germans threw 900 000 men and 2 500 tanks against 1 300 000 soldiers and

Allied Tanks of the Second World War 2011 this unique pictorial history captures the many types of armored vehicles used across the western front of wwii through soldiers photos of enemy wreckage early in the second world war victorious german soldiers regularly photographed and posed with destroyed or abandoned allied tanks when the tide of the war turned against them in 1944 their wrecked panzers were photographed by victorious allies the practice created an extraordinary record of the thousands of tank wrecks that littered the battlefields across the western front in this volume anthony tucker jones has selected a fascinating collection of these historic images forming a rare visual guide to the fate of world war ii armor all the principal tanks of the conflict are represented renaults matildas churchills shermans panzer ivs panthers and tigers along with many others tanks wrecks of the western front provides insight into the rapid development of tank design during the war and shows how vulnerable these armored vehicles were to antitank guns and air attacks

Battle of Kursk 1943 2020-01-19 kurt tank was without doubt one of germany s foremost aircraft designers responsible for some of the finest products of the german aviation industry before and during world war ii the range of aircraft types produced by the focke wulf concern was prodigious covering small biplane

trainers advanced fighters and long range passenger aircraft all of which were highly successful designs tank was however a man of his times and this album of personal photos gives an idea of the sights and events which interested and surrounded him in the momentous early years of world war ii all the pictures in this book came from tank s own album the images being scanned from photographs specially printed from the original 35 mm negatives all are accompanied by highly detailed captions and descriptive text

Tank Wrecks of the Western Front, 1940-1945 2004 practical deep learning teaches total beginners how to build the datasets and models needed to train neural networks for your own dl projects if you ve been curious about machine learning but didn t know where to start this is the book you ve been waiting for focusing on the subfield of machine learning known as deep learning it explains core concepts and gives you the foundation you need to start building your own models rather than simply outlining recipes for using existing toolkits practical deep learning teaches you the why of deep learning and will inspire you to explore further all you need is basic familiarity with computer programming and high school math the book will cover the rest after an introduction to python you ll move through key topics like how to build a good training dataset work with the scikit learn and keras libraries and evaluate your models performance you ll also learn how to use classic machine learning models like k nearest neighbors random forests and support vector machines how neural networks work and how they re trained how to use convolutional neural networks how to develop a successful deep learning model from scratch you ll conduct experiments along the way building to a final case study that incorporates everything you ve learned the perfect introduction to this dynamic ever expanding field practical deep learning will give you the skills and confidence to dive into your own machine learning projects

Kurt Tank's Photo Album 1940-1943 2021-02-23 a photographic history of the destruction left in the wake of the world s largest confrontation between mechanized armies highly recommended amps indianapolis four years of armored battle on the eastern front in the second world war littered the battlefields with the wrecks of destroyed and disabled tanks and anthony tucker jones s photographic history is a fascinating guide to them it provides a graphic record of the various types of tank deployed by the red army and the wehrmacht during the largest and most destructive confrontation between mechanized armies in military history during the opening stages of the war the german victors regularly photographed and posed with destroyed soviet armor operation barbarossa left 17 000 smashed soviet tanks in its wake and the heavy and medium tanks such as the t 28 t 35 kv 1 and t 34 proved to be a source of endless interest once the tide turned the wrecked and burnt out panzers the mk ivs tigers and panthers were photographed by the victorious red army as well as tracing the entire course of the war on the eastern front through the trail of broken armor the photographs in this book provide a wide ranging visual archive of the tank types of the period that will appeal to everyone who is interested in tank warfare and to modelers and wargamers in particular

Practical Deep Learning 2016-08-30 wwii t 34

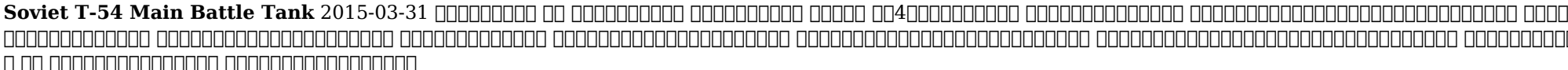
Tank Wrecks of the Eastern Front, 1941-1945 2020-09 while much has been written about the nazis panzers comparatively little is known about the armored vehicles in service with the other axis armies this classic images of war book redresses the balance by covering in detail the equipment operated by these nations supporting hitler s war machine using rare and often unpublished photographs with full captions and authoritative text it provides a comprehensive coverage of romanian bulgarian and hungarian tanks and other armored fighting vehicles in addition it describes yugoslavian serbian and slovakian armor in addition to armor originating from the fatherland examples of tanks and assault guns are the romanian tcam r 2 panzer 35t tank destroyer tacam t 38 panzer 38t the bulgarian jadgpanzer 38 t stug40 ausf g pz kp iv aush and the hungarian stug iii ausf g not forgetting tigers panthers as well as giving technical specifications the book traces the fighting record of these vehicles between 1943 1945 it shows how armored units fought bands of partisans and were used to defend their frontiers against the overwhelming might of the red army until they were either captured or destroyed

T-34-76 2023-02-22 this comprehensive and superbly illustrated book describes in authoritative detail the characteristics and contribution to victory of these formidable american fighting vehicles only after the nazis invaded poland and france did the united states government authorize mass production of tanks by the end of the war american industry had built nearly 90 000 tanks more than germany and great britain combined the first big order in may 1940 was for 365 m2a4 light tanks the initial iteration of the stuart series with almost 24 000 constructed the stuart series was supplemented by almost 5 000 units of the m24 chaffee light tank there was also the failed m22 locust light tank intended for airborne operations the m4 series of medium tanks best known as the sherman were the most numerous with some 50 000 in service with not only the american military but british and other allied armies it was not until later in the war that the m26 pershing heavy tank was built initially the us army doctrine saw tanks as primarily for the exploitation role later the concept of tank destroyers evolved to counter large scale german armored offensives these defensive afvs included the half track based 75mm gun motor carriage m3 and the full tracked m10 m18 and m36 this

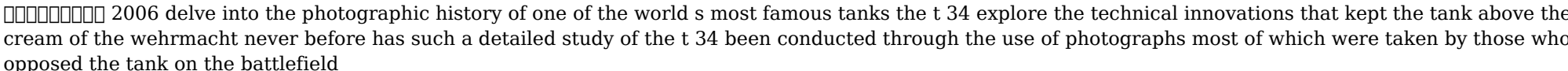
comprehensive and superbly illustrated book describes in authoritative detail the characteristics and contribution to victory of these formidable fighting vehicles
The Armour of Hitler's Allies in Action, 1943-1945 2021-12-30 the menacing silhouette of the t 54 tank prowling down streets of eastern european capitals or

roaring across fields in massive exercises remains one of the most enduring images of soviet power in the early years of the cold war its sleek and unmistakable shape was a warning to any nation that wanted to stand against the ussr yet all of this masked a flawed outdated design and when t 54s began to clash with the western armoured vehicles in proxy wars in southeast asia and the middle east they were found to be on the losing side of many of the battles containing over 500 stunning contemporary and modern photographs and written by two experts on soviet armour this authoritative book tells the complete story of the t 54 one of the most widely produced tanks of all time including many previously unheard of variants

United States Tanks and Tank Destroyers of the Second World War 2018-11-29 it could be said that the t 34 was the tank that won the second world war in total 57 000 were produced between 1941 and 1945 stalin s tank factories outstripped hitler s by a factor of three to one and production of the t 34 also exceeded that of the famed american m4 sherman not only did this output swamp german panzer production the t 34 was a robust no frills war winning design easy to manufacture and reliable its sloping armour was innovative at the time and its wide tracks suited it to off road warfare crucially it required little maintenance in comparison to german tanks and its chassis was used as the basis for a range of assault guns the su 85 su 100 and su 122 anthony tucker jones s photographic history of this exceptional armoured vehicle follows its story through the course of the war from its combat debut against the wehrmacht during operation barbarossa through the red army s defeats and retreats of 1941 and 1942 to the tide turning victories at stalingrad and kursk and on through the long rapid soviet advance across ukraine and byelorussia to berlin as well as a range of rare archive photographs and photographs of a surviving example of the t 34 the book features specially commissioned colour illustrations

Soviet T-54 Main Battle Tank 2015-03-31 

T-34 2015-11-25 a violent world analyzes images on global cnn israeli iba and palestinian patv that contribute to how the current violence in the middle east is framed nitzan ben shaul draws from critical media theory and approaches out of cinema studies to examine how dominant ideologies are embedded in mainstream tv news he focuses on the american elites global ideology and the conflicting dominant national peripheral ideologies of israeli palestinian elites and his in depth study further offers a new model of analysis for contemporary television news

 2006 delve into the photographic history of one of the world s most famous tanks the t 34 explore the technical innovations that kept the tank above the cream of the wehrmacht never before has such a detailed study of the t 34 been conducted through the use of photographs most of which were taken by those who opposed the tank on the battlefield

A Violent World 2021-08-04
T-34 Shock

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