

## Rectangular Tank Design With Horizontal Stiffening

Soviet/Russian Armor and Artillery Design Practices Soviet T-10 Heavy Tank and Variants AK130021 - MBT - MODERN BATTLE TANKS Armor Hydrogen Aircraft Technology Air Force Civil Engineer The Theory and Practice of Modern Framed Structures Tank Construction Soviet Tanks in Combat, 1941-1945 The Design of Optimally Functioning Storm Water Settling Tanks Public Works Manual and Catalog File Combined Arms Warfare in the Twentieth Century The Building News and Engineering Journal Design and Development of Fighting Vehicles Page's Engineering Weekly American Engineer and Railroad Journal Armoured Fighting Vehicles of the World: British and Commonwealth AFVs, 1940-46 American Aviation Tank Construction Gas Abstracts James Kinnear G. Daniel Brewer John Butler Johnson Ernest George Beck Steve Zaloga Jeroen Kluck Jonathan Mallory House Richard M. Ogorkiewicz Duncan Crow Ernest G. Beck

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a highly illustrated study of the t 10 heavy tank that served from the 1950s through to the end of the soviet union when it was introduced into service in 1953 the t 10 represented a return to the classic soviet heavy tank although considered a major threat to nato tank forces it also represented the end of an era all gun heavy tanks like the t 10 would eventually be made effectively redundant by later models like the t 62 which had powerful next generation armament and new ammunition types the tank was gradually withdrawn from service in the 1970s though the last tanks would only leave russian service by decree of the president of the russian federation in 1997 as such the t 10 outlived the soviet state that had created it never exported outside of the soviet union and rarely used in combat the t 10 has remained a mysterious tank with many of its variants unknown in the west until very recently this study written from original russian and ukrainian primary source documents that have only recently been made available uncovers the history of this enigmatic tank using 130 stunning contemporary and modern photographs of the t 10 as well as full colour side view artwork

liquid hydrogen is shown to be the ideal fuel for civil transport aircraft as well as for many types of military aircraft hydrogen aircraft technology discusses the potential of hydrogen for subsonic supersonic and hypersonic applications designs with sample configurations of aircraft for all three speed categories are presented in addition to performance comparisons to equivalent designs for aircraft using conventional kerosine type fuel and configurations for aircraft using liquid methane fuel other topics discussed include conceptual designs of the principal elements of fuel containment systems required for cryogenic fuels operational elements e g pumps valves pressure regulators heat exchangers lines and fittings modifications for turbine engines to maximize the benefit of hydrogen safety aspects compared to kerosine and methane fueled designs equipment and facility designs for servicing hydrogen fueled aircraft production methods for liquid hydrogen and the environmental advantages for using liquid hydrogen the book also presents a plan for conducting the necessary development of technology and introducing hydrogen fuel into the worldwide civil air transport industry hydrogen aircraft technology will provide fascinating reading for anyone interested in aircraft and hydrogen fuel designs

dit proefschrift beschrijft het gebruik van 2 en 3 dimensionale stromingssimulaties bij het ontwerpen van bergbezinkbassins

for centuries the world has witnessed the development and use of increasingly complex and powerful military systems and technologies in the process the art of war has truly become the art of combined arms warfare in which infantry artillery air support intelligence and other key elements are all coordinated for maximum effect nowhere has this trend been more visible than in the history of twentieth century warfare originally published as an essential in house study for u s army officers during the 1980s this much revised and expanded edition remains the most complete study available on the subject rewritten with a much wider readership in mind it both retains its enormous practical utility for military professionals and provides a valuable and appealing introduction for scholars and general readers jonathan house author of the original work brings the story of combined arms up to the present covering among other things desert storm the war in chechnya and the rise of smart weapons and related technologies he traces the evolution of tactics weapons and organization in five major militaries american british german russian and french over 100 years of warfare revealing both continuities and contrasts within and between these fighting forces he also provides illuminating glimpses of israeli and japanese contributions to combined arms doctrine expanding his insightful analysis of the world wars and the wars in korea and vietnam house also offers much new material focused on the post vietnam period throughout he analyzes such issues as command and control problems of highly centralized organizations the development of special operations forces advances in weapons technology including ballistic and anti ballistic missile systems the trade offs involved in using heavy versus light armed forces and the enduring obstacles to effective cooperation between air and land forces his strong critique of the air superiority propaganda that came out of the gulf war is sure to spark some heated debates rigorously comparative house s study addresses significant questions about how nations prepare for war learn or don t learn its harsh lessons and adapt to changing times and technologies unique in the annals of the literature on warfare it will be the standard work on this subject for a long time to come

issues for include annual air transport progress issue

excerpt from tank construction relating principally to the design manufacture and erection of tanks in mild steel besides an endeavour to present information likely to be of use in the practical design and construction of tanks one of the main objects of this volume is to draw attention to the many problems involved in tank construction properly regarded these problems are so full of interesting possibilities that they become absolutely fascinating to the practical engineer while their commercial importance is at once so real and so great that the field of study which they offer cannot prove aught but profitable present day requirements developments and tendencies indicate unquestionably the need for a more soundly reasoned basis of design and more efficient rapid and economical methods of construction than have been commonly employed in the past there seems to be an impression in the minds of some that our knowledge concerning the principles involved in the design and construction of tanks is more or less complete that the only means available for reducing the costs of production is by cutting down the thicknesses of the sheeting or omitting essential parts of the construction and that anything in the way of practical investigation and research would be mere waste of time and energy no impression could be more completely at variance with the facts instead of our knowledge with regard to the subject being complete it is shown in the following pages that in some of the most commonly employed methods of constructing tanks we do not even know how the sheeting acts in resisting the pressures of the contained liquid while it is usual to design the sheeting on a basis of assumptions which certainly and obviously cannot be realised in the finished structure about the publisher forgotten books publishes hundreds of thousands of rare and classic books find more at forgottenbooks.com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy in rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works

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