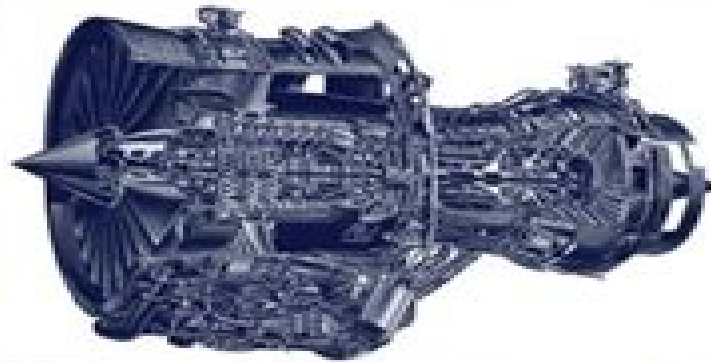




FLUID MECHANICS AND THERMODYNAMICS OF TURBOMACHINERY

FIFTH EDITION



S. L. DIXON

Solution Manual

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mechanics makes the book particularly suitable for undergraduate courses It has also proved very useful to professional engineers who require a relevant text on the basic physical processes in turbomachines and their theoretical representation Several modifications have been incorporated in the text in the light of recent advances in the subject Further information on cavitation has been included and a new section on the optimum design of a pump inlet taking account of cavitation limitations has been added Certain chapters have been extended the section on Constant specific mass flow design now includes the flow equations for a following rotor row and the section on the definition of blade shapes has been extended to include the parabolic arc camber line blade A list of symbols used in the text has been added Each chapter contains a selection of useful problems and answers are provided at the end of the book SI Metric units are used throughout Worked Examples in Turbomachinery S. L. Dixon,1975 Worked Examples in Turbomachinery Fluid Mechanics and Thermodynamics is a publication designed to supplement the materials in Fluid Mechanics Thermodynamics of Turbomachinery Second Edition The title provides detailed solution for the unanswered problems from the main textbook *Fluid Mechanics And Thermodynamics Of Turbomachinery* Dixon. S.L.,2014 **Fluid Mechanics and Thermodynamics of Turbomachinery** Sydney Lawrence Dixon,1998 In the intervening 20 years since the 3rd edition of this textbook many advances have been made in the design of turbines and greater understanding of the processes involved have been gained This 4th edition brings the book up to date **Fluid Mechanics and Thermodynamics of Turbomachinery** S. L. Dixon,1998

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