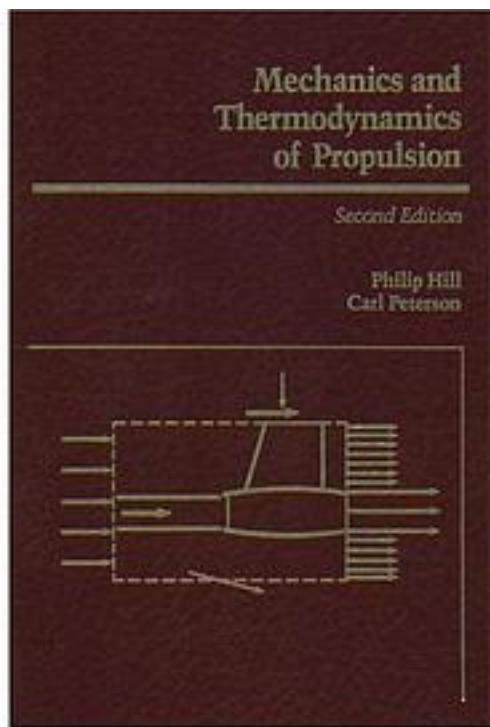


# Mechanics and Thermodynamics of Propulsion



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著者:Hill, Philip G.

出版者:Prentice Hall

出版时间:1991-9-27

装帧:HRD

isbn:9780201146592

In this textbook, the authors show that a few fundamental principles can provide students of mechanical and aeronautical engineering with a deep understanding of all modes of aircraft and spacecraft propulsion. The book also demonstrates how these fundamental principles can lead directly to useful quantitative assessments of performance as well as possibilities for improvement. The second edition provides a wide range of new illustrative material on modern aircraft and rocket engines. The authors have also improved their explanations of pertinent physical phenomena and have introduced preliminary design procedures in this edition.

作者介绍:

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## 标签

机械

教材

## 评论

AE530@Umich

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Georgia Tech上propulsion时用的教材，尤其是有趣可是我学不懂...

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喷气式发动机的经典教科书，被美国各大学采用，包括MIT。  
重在理论，各种理论虽然在我看来解释的不算太透彻，但是非常全面。作者撰写本书时十分严谨，整本书只有一处错误。  
至于可读性，可以用糟糕来形容。充满各种专业术语，十分晦涩，英文能力欠佳者或者没有工科背景的人阅读起来可能会极其费劲，不过对于有志于航空发动机研究的人来说，值得一读。  
另：售价高达150美金，但是上课教科书，迫于无奈，割肉买了一本，不过装订和纸质真是没的说。现在被当成圣经一样供着 . . .

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开头儿的shock wave讲的不是很清楚，需要搭配流体力学的课本儿

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书评

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