

《计算非弹性》

图书基本信息

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内容概要

《计算非弹性》主要内容：This book goes back a long way. There is a tradition of research and teaching in inelasticity at Stanford that goes back at least to Wilhelm Flugge and Erastus Lee. I joined the faculty in 1980, and shortly thereafter the Chairman of the Applied Mechanics Division, George Herrmann, asked me to present a course in plasticity. I decided to develop a new two-quarter sequence entitled Theoretical and Computational Plasticity which combined the basic theory I had learned as a graduate student at the University of California at Berkeley from David Bogy, James Kelly, Jacob Lubliner, and Paul Naghdi with new computational techniques from the finite-element literature and my personal research. I taught the course a couple of times and developed a set of notes that I passed on to Juan Simo when he joined the faculty in 1985. I was Chairman at that time and I asked Juan to further develop the course into a full year covering inelasticity from a more comprehensive perspective.

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作者简介

作者：(美国)思摩(J.C.Simo) (美国)T.J.R.Hughes

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《计算非弹性》

编辑推荐

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《计算非线性》

精彩短评

- 1、对于研究塑性力学及非线性有限元来说，这是一本值得参考的书，非常经典。可惜印刷字体太小，印刷质量太差，像盗版书，有可能是缩印版。如果有该书的电子版，强烈建议直接用电子版A4纸打印。
- 2、绝对经典,需要熟悉张量和矩阵基本理论,以及外国的基本符号约定.
- 3、这是一本好书。它深入地介绍了塑性、弹塑性及粘弹塑性的本构理论及非线性有限元解法。将求解小变形发展出来的一套成熟的方法推广到大变形，对于非弹性材料大变形的有限元分析很有用。
- 4、搞计算固体力学的同行们，这本书非常值得一读其中关于变形分解及隐式更新格式的建立堪称经典。这本书的原版可是要几百美元的，在国内只花几十块钱就能买到，真是太幸福了。希望世图继续出这种名著的影印版。如果能提高点印刷质量，不要用这么次这么薄的纸，再贵一倍我也会买的。
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- 8、学习有限元的材料非线性部分必备的参考书！！！！
- 9、值得学习非线性弹性问题的人看看
- 10、该书真的很棒，无以言表！是很好的学习弹塑性、粘弹性计算方法的入门书！

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