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文章名称: 考虑过失速特性的多级轴流压缩机的性能模拟 ----- 王 鹏 等

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:: 文章简介 ::

摘要: 分别以一台2级风扇、8级高压压缩气机为考核算例,进行了计算并与试验数据进行了对比分析。计算结果表明:嵌入考虑过失速模型并考虑其它影响的压缩机特性预测模型具有很好的预测精度。关键词:轴流式压缩机;过失速特性;级叠加法中图分类号:TH453
文献标识码: B 文章编号: 1006-8155 (2007) 05-0007-04 Simulation of Performance of Multi-stage Axial-flow Compressor with Considering Post Stall Characteristic Abstract: In this paper, a two-stage fan and an eight-stage high pressure compressor are respectively measured. And the calculation results are compared and analyzed with test data. The result shows the characteristic prediction model of compressor with considering post stall model and other influences has perfect prediction accuracy. Key words: axial-flow compressor; post stall characteristic; stage stacking technique

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