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## Mechanical Desktop软件在中国先进研究堆堆本体设计中的应用

@郎瑞峰\$中国原子能科学研究院反应堆工程研究设计所!北京102413

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**摘要** 研究使用MechanicalDesktop(MDT)软件对中国先进研究堆 (CARR)堆本体主要部件进行三维参数化建模,并通过尺寸及相关位置数值的变量驱动进行CARR堆本体初步设计及修改。三维参数化设计方法的应用大大提高了CARR堆本体的设计效率,缩短了设计周期,为高质量如期完成CARR堆本体主要部件的设计奠定基础

**关键词** [三维参数化](#) [建模](#) [变量驱动](#)

**分类号** [TL351](#) [TP319](#)

## The Application of Mechanical Desktop in the Design of the Reactor Core Structure of China Advanced Research Reactor

LANG Rui feng (China Institute of Atomic Energy, P. O. Box 275 33, Beijing 102413, China)

**Abstract** The three dimensional parameterization design method is introduced to the design of reactor core structure for China advanced research reactor. Based on the modeling and dimension variable driving of the main parts as well as the modification of dimension variable, the preliminary design and modification of reactor core is carried out with high design efficiency and quality as well as short periods.

**Key words** [three dimensional parameterization](#) [modeling](#) [variable driving](#)

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