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## UO<sub>2</sub>燃料芯核振动分选机的模型仿真与分析

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**摘要** 基于对振动分选机托板与UO<sub>2</sub>燃料芯核颗粒间相对运动的分析,研究建立了描述燃料芯核振动分选机工作机理的模型,并给出了仿真结果。在此基础上,分析了模型参数对分选机效率的调节特性,得出了分选机的分辨力和分选周期可以分步调节的结论

**关键词** [燃料芯核](#) [振动分选机](#) [分选分辨力](#) [分选周期](#)

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## Simulation and Analysis of a Model on the Vibrating Sifter of UO<sub>2</sub> Fuel Cores

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**Abstract** Based on the analysis of relative motion between the tray of the vibrating sifter and UO<sub>2</sub> fuel core granules, a model is established in order to simulate the working process of the vibrating sifter. According the simulation results, the adjusting characteristics of the model's parameters with the working efficiency of the sifter are analyzed, and the results show that the distinguishing ability and the period may be adjusted independently in step.

**Key words** [fuel cores](#) [vibrating sifter](#) [distinguishing ability](#) [distinguishing period](#)

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