

عنوان مقاله:

Infinite multiplication factor comparison for fuel assembly with different enriched erbium content

محل انتشار:

هشتمین کنفرانس بین المللی نوآوری و تحقیق در علوم مهندسی (سال: 1399)

تعداد صفحات اصل مقاله: 4

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خلاصه مقاله:

numerous burnable-absorber (BA) types have been used in commercial nuclear fuel assembly designs to suppress initial reactivity. In this study, presents results of calculations for PWR 17 17 fuel assembly with erbium isotopic content by using the DRAGON code simulation. These BAs characteristics are varied in erbium enrichment and number of gadolinia rods in fuel assembly. In order to decrease this parasitic absorption in the end and emphasize the .absorption in beginning of the life it is possible to use erbium enriched in Er-167

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1167769>

