

عنوان مقاله:

An Anisotropic multi-scale method for modeling wave propagation

محل انتشار:

دوازدهمین کنگره ملی مهندسی عمران (سال: 1399)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

The most important challenge of multiscale methods, including CADD, is the effect of spurious forces due to the inaccurate isotropic displacement field generated by the dislocation segments during passing from atomistic to continuum environments. In this research, for developing the CADD method and to solve its main challenge, we used two anisotropic displacement field and implemented in DDD part of CADD method. This development could resolve and decrease the effects of the spurious stress significantly and also open the way for the new development of .CADD3D to dislocation dynamics for BCC materials

کلمات کلیدی:

.Multi-Scale Method, Dislocation, Anisotropic Elastic, CADD Method

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