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**David Fisher** and **Thang Nguyen\*** (nguyentq@indiana.edu). *Quasi-isometry embeddings of non-uniform lattices*. Preliminary report.

Let  $G$  and  $G'$  be simple higher rank Lie groups of equal real rank. Let  $\Gamma < G$  and  $\Lambda < G'$  be non-uniform lattices. We prove that that with an appropriate condition on the Lie groups, any quasi-isometric embedding of  $\Gamma$  into  $\Lambda$  is at bounded distance from a homomorphism. For example, any quasi-isometric embedding of  $SL(n, \mathbb{Z})$  into  $SL(n, \mathbb{Z}[i])$  is at bounded distance from a homomorphism. We also discuss the cases when the condition is not satisfied which there exist counter examples of the result. (Received August 10, 2015)