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David M Fisher, Boris V Kalinin (kalinin@jaguar1.usouthal.edu) and **Ralf J Spatzier*** (spatzier@umich.edu). *Higher rank Anosov actions on tori.*

We study actions of Z^k , $k > 1$ on tori T^n with at least one Anosov element. Under suitable conditions these actions are smoothly conjugate to the induced action on homology, e.g. when the action is “totally non-symplectic”. (Received September 11, 2008)