

Abstract Submitted  
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**A simple multiphase Cerium equation of state** SCOTT CROCKETT, KEVIN HONNELL, Los Alamos National Lab — Cerium is a phase rich material which includes an isostructural FCC phase transition. In recent years many experiments have been performed measuring the phase boundaries as well as bulk moduli during the isostructural phase transition. We describe a practical established multiphase framework to model the isostructural phase transition utilizing a simplified modeling approach.

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