MULTIPLE ELASTIC CONFIGURATIONS ASSOCIATED WITH LOCALIZED VIBRATIONAL MODES IN CRYSTALS

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By examining the far infrared properties of lattice vibrations associated with defects in crystals a wide variety of spectroscopic signatures have been identified, ranging from localized gap modes and resonant modes to tunneling states. The recent discovery of multiple elastic configurations for some defect-lattice combinations points to another characteristic property of these large dynamical systems.
Work supported by NSF-DMR and NASA.