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Sanjeev S Seahra*, sseahra@unb.ca. *Effects of nonstandard kinetic terms on resonant preheating.*

I discuss the effects of exotic kinetic terms in scalar field actions during resonant preheating after inflation. Using multiple scales analysis and dynamical systems techniques, I demonstrate that modifications due to generalized uncertainty principles, polymer quantization and string theory (DBI) effects generically frustrate parametric resonance. (Received August 18, 2014)