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Dynamics of Coupled Fractional Oscillators B.N. NARAHARI ACHAR, JOHN W. HANNEKEN, The University of Memphis — The theory of fractional oscillators (Achar et al. Physica A 297(2001) 361-367; A 309 (2002) 275-288; A 339 (2004) 311-339) has been extended to the study of coupled fractional oscillators. The response characteristics and energy flow are analyzed in the frame work of fractional integral equations of motion and the Greens function obtained by Laplace transform technique. The continuum limit is also studied.

Narahari Achar The University of Memphis

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