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Where  $R(t)$  is Romeo's Love (or Hate if Negative) For Juliet At Time  $t$ . And  $J(t)$  is Juliet's Love For Romeo. The Simplest Model is Linear With  $\frac{dR}{dt} = -AR + DJ$  and  $\frac{dJ}{dt} = CR - BJ$  (1) Where  $A$  and  $B$  Specify Romeo's "romantic Style," and  $C$  and  $D$  Specify Juliet's Style. The Parameter  $A$  Describes The Extent To ... 17th, 2024.

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To Col 12th, 2024.

13.1 Linear Dynamical Models The Generalized Langevin Equation Plays An Important Role In Nonequilibrium Statistical Mechanics. It Was Originally Written Down By Robert Zwanzig In A Manner Similar To How We Derived It, And Then Later With The Help Of Masao Mori, Was Derived Under Very General Conditions. If We Take The Generalized Langevin Equation  $M \ddot{X} = -W_0(x) - \zeta \dot{X} + \xi(t)$ ,  
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jgrimaldi@stuaf.umass.edu Center For Women And Community (formerly

Everywoman's Center)New Africa House Amhe 7th, 2024Entity Name Contact  
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Review Of The Appended Papers. In Cases Where The Presented Information Is Not  
Found In The Papers, The Source Is Referred To Using A Number In Square Brackets  
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