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Planar Multibody Dynamics: Errata 7 r_A = [0.5; -1]; r_A_d = [0.0; 0.0]; r_O = [0; 0]; r_B = [2; -1]; r_B_d = [0.0; 0.0]; % Construct the mass matrix (array) M_array = [m_A; m_A; m_B; m_B]; M = diag(M_array); % Initialize z array z = [r_A; r_B; r_A_d; r_B_d]; % Set time parameters Tspan = [0.0:0.04:1.0]; % Integrate

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Planar Multibody Dynamics | Guide books

Nikravesh PE (2008) Planar multibody dynamics: formulation, programming, and applications. CRC Press, London zbMATH Google Scholar Orlandea N, Chace MA, Calahan DA (1977) A sparsity oriented approach to the dynamic analysis and design of mechanical systems—part 1 and 2.

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A Novel Dynamic Model for Single Degree-of-Freedom Planar Mechanisms Based on Instant Centers Raffaele Di Gregorio. ... Planar Multibody Dynamics: Formulation, Programming, and Applications, CRC Press, Boca Raton, FL. 19. Roe, J. W., ... General Dynamic Model of Flexible Multi-Body Systems With Its Application in Gun Systems.

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