عنوان مقاله:

Parameter Estimation of Loranz Chaotic Dynamic System Using Bees Algorithm

محل انتشار:

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خلاصه مقاله:

An important problem in nonlinear science is estimation of unknown parameters in Loranz chaotic system. Clearly, the parameter estimation for chaotic systems is a multidimensional continuousoptimization problem, where the optimization goal is to minimize mean squared errors (MSEs)between real and estimated responses for a number of given samples. The Bees algorithm (BA) is anew member of meta-heuristics. BA tries to model natural behavior of honey bees in food foraging.This paper focuses on using the BA to solve this problem. Simulation results demonstrate the merit, effectiveness and robustness of BA

کلمات کلیدی:

Loranz Chaotic System,Parameter Estimation,Bees Algorithm,Mean Squared Errors

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