

Complete synchronization of two Chen-Lee systems  
許隆結, 陳獻庚, 陳俊宏, 譚立武, 陳文欽, Seng Kin Lao, 林廣台  
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Abstract

Abstract. This study demonstrates that complete synchronization of two Chen-Lee chaotic systems can be easily achieved. The upper bound of the Chen-Lee chaotic system is estimated numerically. A controller is designed to synchronize two chaotic systems. Sufficient conditions for synchronization are obtained using Lyapunov's direct method. Two numerical examples are presented to verify the proposed synchronization approach.

Keyword : Chen-Lee chaotic  
systems  
Lorenz systems