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Secure communication by using Chua's model

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Abstract:In this work, the secure communication has been studied by using two Chua's system (transmittance and receiver system), which was programed by using Berkley Madonna software. The parameter value (a) in Chua's system has been changed to get exactly chaotic system (typical value) where was 15. Full synchronization between two chaotic systems has been done when the coupling factor (k) was 20. Sinusoidal wave has been used to test the secure communication in this system.

Key words :Chaotic system, Chua's system.

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