

THE SIMULATION OF SOUND SIGNAL MASKING WITH SPROUT
CHAOTIC OSCILLATION

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MSC 2000: 34C28

Abstract

Chaotic masking, which is one of the subjects aimed to supply the information security in communication medium, is addressed in this work. The system of Sprout used in chaotic masking and how to make chaotic masking in system are introduced. Then, PID control method providing synchronization in the system is defined.

The masking process on sound signals using chaotic oscillation is simulated with Matlab/Simulink[®] program.

Keywords: Chaos, Chaotic Masking, Synchronization, PID, Chaotic Oscillator

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