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# ANALYSIS AND MODELING OF COSTAS CIRCUIT FOR RECEPTION OF 2-FM SIGNALS WITH DETERMINED INTERFERENCE AND WHITE GAUSSIAN NOISE

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## Abstract

*The study tested the classical and modified Costas circuits for reception of a 2-FM signal in the presence of deterministic interference and white Gaussian noise. We describe mathematical models of Costas circuit. We also give simulation models and make a comparative analysis of the two synchronization circuits*

## Keywords

*Modified Costas circuit, synchronization circuit, phase-lock loop*

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