

ANALYTICITY OF DISTRIBUTIONAL FOURIER-LAPLACE TRANSFORM

V. D. SHARMA AND A. N. RANGARI

Abstract

In this paper Fourier-Laplace transform is extended in the distributional generalized sense. Analyticity of Fourier-Laplace transform is proved. This theory is used to relate the output signals of shift form invariant system.

Key Words : *Fourier transform, Laplace transform, Fourier-Laplace transform, Signal processing, Shift form invariant system.*

2010 AMS Subject Classification : 32S40.

© <http://www.ascent-journals.com>