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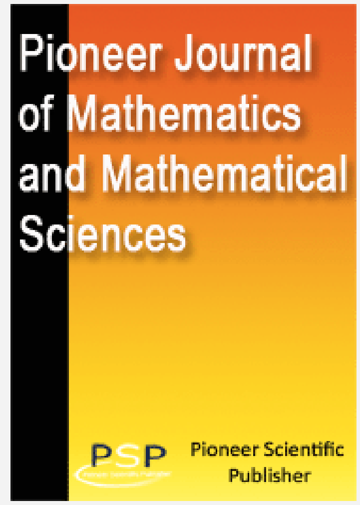

L_1 APPROXIMATION AND STOCHASTIC MODELLING

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Abstract

We investigate a pointwise approximation of the probability of ruin given by the classical model of compound Poisson risk. Best quadrature formulas are obtained.

Keywords and phrases: approximations by algebraic polynomials, best one-sided approximations, truncated power asymptotic equation, random variable, *p*-stable, weight function. Stable processes.