

ON STRONGLY h -CONVEX STOCHASTIC PROCESSES

(Mengenai Proses Stokastik h -Cembung Kuat)

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ABSTRACT

In this paper, the concept of strongly h -convex stochastic processes is introduced. New inequality related to Hermite-Hadamard type for strongly h -convex stochastic processes is obtained. Some properties of convex stochastic processes are presented. The results given in this work are generalizations of the known results.

Keywords: convex stochastic process; strongly h -convex stochastic process; Hermite-Hadamard type inequality

ABSTRAK

Dalam makalah ini, diperkenalkan konsep proses stokastik h -cembung kuat. Diperoleh ketaksamaan baharu berkaitan dengan ketaksamaan jenis Hermite-Hadamard untuk proses stokastik h -cembung kuat. Dipersembahkan beberapa sifat proses stokastik h -cembung kuat. Hasil-hasil yang diperoleh adalah pengitlakan daripada hasil yang diketahui.

Kata kunci: proses stokastik cembung; proses stokastik h -cembung kuat; ketaksamaan jenis Hermite-Hadamard

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