

FAVARD'S INEQUALITY FOR SEMINORMED FUZZY
INTEGRAL AND SEMICONORMED FUZZY INTEGRAL

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Abstract. The purpose of this paper is to generalize Favard's inequality for seminormed and semiconormed fuzzy integrals of non-negative concave (convex) functions on a fuzzy measure space (X, Σ, μ) , where μ is the Lebesgue measure. Moreover, for illustrating the theorems, several examples are given.

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Key words. Favard's inequality, seminormed fuzzy integral, semiconormed fuzzy integral, t -norm, s -norm, fuzzy measure.

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