

Semantic construction and decomposition of functions using aggregation operator

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Abstract

In this paper we will present a new approach to composing and decomposing functions. This technology is based on pliant concept. We will use the proper transformations of conjunction of the sigmoid function to create an effect. We will aggregate the effects to compose the function. This tool is also capable for function decomposition as well.

Keywords: Pliant concept, sigmoid function, conjunctive operator, aggregation operator, Dombi operator, approximation