

ANALISIS KEKONTINUAN, KETERDIFERENSIALAN DAN KETERINTEGRALAN FUNGSI BLANCMANGE

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Abstract. This article presents differentiable characteristics of the Blancmange function on \mathbb{R} . The function has singularities of each point on \mathbb{R} . The first, it will be proven that function is continuous at each point on \mathbb{R} , and then by constructing of an infinite series of the saw tooth function, will be proven that the Blancmange function is differentiable nowhere at each point on \mathbb{R} . At the end of this article, also discussed integrable analysis of Blancmange function.

Keywords: convergence, continuous, differentiable, Blancmange function