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## PROPERTIES OF DOMINATING AND INDEFINITE INTEGRABLE FUNCTIONS

## DHARMENDRA KUMAR YADAV AND DIPAK KUMAR SEN

## Abstract

In the present paper some properties like continuity, differentiability, integrability, interval of convergence, radius of convergence, etc of D-function previously given by Yadav and Sen [1] have been discussed. In the paper two new terms named as the interval and the radius of divergence have been introduced. At last a necessary condition, a sufficient condition and a necessary and sufficient conditions for the indefinite integrability of functions have been given.

Key Words: D-function, interval and radius of convergence/divergence, Differentiability, Integrability, Indefinite non-integrable functions by Yadav et al[2,5], etc.

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