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SEVERAL FINDINGS ON FRACTIONAL (p, q)-DERIVATIVES FOR THE (p, q)-VARIANT OF PRATHIMA'S MULTIVARIABLE I-FUNCTION

Dinesh Kumar, Nidhi Sahni*, Frédéric Ayant and Milan Srivastava***

Department of Applied Sciences,
College of Agriculture-Jodhpur, Agriculture University Jodhpur,
Jodhpur - 342304, Rajasthan, INDIA

E-mail : dinesh_dino03@yahoo.com

*Department of Mathematics,
Sharda School of Basic Sciences and Research,
Sharda University,
Greater Noida - 201310, Uttar Pradesh, INDIA

E-mail : nidhi.sahni@sharda.ac.in, milan.srivastava@sharda.ac.in

**Collége Jean L'herminier, Allée des Nymphéas,
83500 La Seyne-sur-Mer, FRANCE

E-mail : fredericayant@gmail.com

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Abstract: This article gives the (p, q)-analogue of the modified multivariable Prathima's I-function and explore its properties under the (p, q)-analogue derivative fractional operator. Additionally, we discuss various corollaries considering the (p, q) -analogue counterparts of various multivariable H-functions and I-functions, both in one and two variables.

Keywords and Phrases: Multiple Mellin-Barnes contour integrals, (p, q)-analogue of multivariable I-function, (p, q) -analogue of multivariable H-function, (p, q) -analogue I-function of two variables, (p, q)-analogue H-function of two variables, (p, q)-analogue derivative fractional operator.

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