

## A CLASS OF GENERATING FUNCTIONS INVOLVING EXTENDED APPELL HYPERGEOMETRIC FUNCTION

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ABSTRACT. Various families of generating functions have been established by a number of authors in many different ways. In this paper, we aim at establishing some (presumably new) generating functions for the extended Appell hypergeometric function  $\mathfrak{F}_2^{(\{\kappa_\ell\}_{\ell \in \mathbb{N}_0})}(a, b, b'; c, c'; x, y; p, q)$ . We also present some special cases of our main results of this paper.

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*Received 6 August 2015*

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2010 *Mathematics Subject Classification.* Primary 33B20, 33C20; Secondary 33B15, 33C05.

*Key words and phrases.* Extended Beta function; Extended hypergeometric function; Generating functions; Extended Second Appell function.