CERTAIN RESULTS INVOLVING CONTINUED FRACTIONS AND MODULAR IDENTITIES

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Abstract: In this paper certain results on continued fractions and modular identities have been established.

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1. Introduction

Let a and q be variables such that $|q| < 1$, then the conventional $q-$ Pochammer symbol is defined as,

$$(a;q)_n = \prod_{k=0}^{n-1}(1 - aq^k)$$