A New recurrence relation for the partition function

José Plínio de Oliveira Santos Instituto de Matemática, Estatística e Computação Científica Universidade Estadual de Campinas Campinas, Brazil

Abstract

We present a new recurrence relationship for the partition function based on a representation for partitions as two-line matrices. This recurrence is quite different from the well-known relationship given by Euler. This result was obtained by a student of mine in his doctoral thesis.

1