

More on Hurwitz and Tasoev continued fractions

Takao Komatsu
Hirosaki University

Many new types of Hurwitz continued fractions have been studied by the author. Most basic Hurwitz continued fractions can be expressed by using confluent hypergeometric functions ${}_0F_1(; c; z)$. This expression enables us to find some more general Hurwitz continued fractions. A contrast between Tasoev continued fractions and Hurwitz ones yields some more general Tasoev continued fractions. In this paper both continued fractions are still more generalized.