A combinatorial interpretation of continued fractions with generalized partial quotients

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We study the combinatorial interpretation of continued fractions with the positive partial quotients introduced by Benjamin and Quinn [1]. In this research, it is further extended to generalized partial quotients. Through the use of combinatorial arguments, some interesting identities for continued fractions are also visualized and derived.

References

[1] A.T. Benjamin, J.J. Quinn, Proofs that really count: the art of combinatorial proof, MAA, 2003.