

Title : Some Basic Properties of Hyperbolic (p,q) -Fibonacci Octonions

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ABSTRACT

Octonions are generalization of quaternions. In this work, we are interested in hyperbolic (p,q) -Fibonacci octonions, which are structures that generalize octonions and (p, q) -Fibonacci numbers. We prove some basic properties of hyperbolic (p,q) -Fibonacci octonions, such as the Binet's formulas.

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