
ON THE HYBRID NUMBERS AND GENERALIZED FIBONACCI SEQUENCES

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ABSTRACT

In the present talk, we present a study on the r Generalized Fibonacci hybrid sequences. More precisely, we provide the analytic Binet expression for these sequences. New results and sometimes extensions of some results existing in the literature are established. Furthermore, we highlight the special case $r = 2$, and we offer illustrative numerical examples.

Keywords Generalized Fibonacci sequence · hybrid numbers · Analytic formula

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