

Fibonacci Sequence

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To determine if Catalan's or Cassini's identity holds when the initial terms of the sequence changed, I plugged the initial terms and term numbers into the formula to see if it generated an identity. Cassini's identity does hold for all initial terms that are part of the Fibonacci sequence such as $F_0 = 0$ and $F_1 = 1$, but not for $F_0 = 2$ and $F_1 = 10$.