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A determinant of generalized Fibonacci numbers

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(Submitted on 3 Apr 2012)

We evaluate a determinant of generalized Fibonacci numbers, thus providing a common generalization of several determinant evaluation results that have previously appeared in the literature, all of them extending Cassini's identity for Fibonacci numbers.

Subjects: **Number Theory (math.NT)**; Combinatorics (math.CO)

MSC classes: 11B39, 05A10, 05A19, 11C20

Cite as: [arXiv:1204.0609v1](https://arxiv.org/abs/1204.0609v1) [math.NT]

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