



Mathematical Physics

# Padé interpolation for elliptic Painlevé equation

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(Submitted on 2 Apr 2012)

An interpolation problem related to the elliptic Painlevé equation is formulated and solved. A simple form of the elliptic Painlevé equation and the Lax pair are obtained. Explicit determinant formulae of special solutions are also given.

Comments: 16 pages. Dedicated to Professor Michio Jimbo on his 60th birthday. To appear in the proceedings of the international workshop "Infinite Analysis 11"

Subjects: **Mathematical Physics (math-ph)**; Algebraic Geometry (math.AG)

MSC classes: 34M55, 34M56, 33E05, 39A12

Cite as: [arXiv:1204.0294v1](https://arxiv.org/abs/1204.0294v1) [math-ph]

## Submission history

From: Yasuhiko Yamada [[view email](#)]

[v1] Mon, 2 Apr 2012 02:08:59 GMT (14kb)

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