SIDE 14.2

Contribution ID : 55

Reduction of a bidimensional sine-Gordon system to the sixth Painlevé equation

Friday 23 Jun 2023 at 15:00 (00h30')

Content :
We establish all the reductions of a system of two coupled sine-Gordon equations
introduced by Konopelchenko and Rogers to ordinary differential equations.
All these reductions are degeneracies of a master equation of Chazy,
"curious for its elegance", algebraic transform of the sixth Painlevé equation.

Primary authors : Mr. CONTE, Robert (E'cole normale supérieure de Paris-Saclay, France)

Co-authors : Mr. GRUNDLAND, A. Michel (Université du Québec à Trois-Rivières)

Presenter : Mr. CONTE, Robert (E'cole normale supérieure de Paris-Saclay, France)

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