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Henneberg constructions of some sparse colored graphs

Louis Theran

(Submitted on 2 Apr 2012)

We give Henneberg-type constructions for some families of sparse colored graphs arising in rigidity theory periodic and forced symmetric frameworks. The proof method, which works with Laman-sparse finite covers of colored graphs highlights the connection between these sparse colored families and the well-studied Laman graphs.

Comments: 9 pages, 2 figures

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