## Mathematics > Group Theory

## A polynomial bound on solutions of quadratic equations in free groups

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(Submitted on 8 Jul 2011)

We provide polynomial upper bounds on the size of a shortest solution for quadratic equations in a free group. A similar bound is given for parametric solutions in the description of solutions sets of quadratic equations in a free group.

Comments: 41 pages, 10 figures
Subjects: Group Theory (math.GR)
Cite as: arXiv:1107.1707 [math.GR]
(or arXiv:1107.1707v1 [math.GR] for this version)

## Submission history

From: Igor Lysenok [view email]
[v1] Fri, 8 Jul 2011 19:35:32 GMT (70kb)
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