Cornell University

## Mathematics > Number Theory

## Quadratic congruences on average and rational points on cubic surfaces

Stephan Baier, Ulrich Derenthal, Pierre Le Boudec
(Submitted on 2 May 2012)
We investigate the average number of solutions of certain quadratic congruences. As an application, we establish Manin's conjecture for a cubic surface whose singularity type is A_5+A_1.

Comments: 24 pages
Subjects: Number Theory (math.NT); Algebraic Geometry (math.AG)
MSC classes: 11D45 (Primary) 14G05, 11G35 (Secondary)
Cite as: arXiv:1205.0373 [math.NT]
(or arXiv:1205.0373v1 [math.NT] for this version)

## Download:

- PDF
- PostScript
- Other formats

Current browse cont math.NT
< prev|next >
new | recent | 1205
Change to browse b math
math.AG
References \& Citatic

- NASA ADS

Bookmark(what is this?)


```
|mse
```


## Submission history

From: Ulrich Derenthal [view email]
[v1] Wed, 2 May 2012 10:46:44 GMT (161kb)
Which authors of this paper are endorsers?

