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(T,I). Using Fourier-Mukai techniques we associate certain jumping schemes to such sheaves and completely classify such loci. We give examples of applications to the enumerative geometry of T and show that no smooth genus 5 curve on such a surface can contain a g^1\_3. We also describe explicitly the singular divisors in the linear system |2||.

We study twisted ideal sheaves of small length on an irreducible principally polarized abelian surface

 
 Comments:
 21 pages with appendix, typos fixed

 Subjects:
 Algebraic Geometry (math.AG)

 MSC classes:
 14F05, 14N10, 14N20, 14J60, 14D20, 14K30, 14C20

 DOI:
 10.1002/mana201100182

 Cite as:
 arXiv:1107.2549 [math.AG] (or arXiv:1107.2549v2 [math.AG] for this version)

A Fourier-Mukai Approach to the

(Submitted on 13 Jul 2011 (v1), last revised 18 Jul 2011 (this version, v2))

**Polarized Abelian Surfaces** 

**Enumerative Geometry of Principally** 

## Submission history

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From: Antony Maciocia [view email] [v1] Wed, 13 Jul 2011 13:39:02 GMT (23kb,D) [v2] Mon, 18 Jul 2011 18:20:32 GMT (23kb,D)

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