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Symmetric correspondences with decomposable minimal equation. (English) Zbl 07420018
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Summary: We study symmetric correspondences with completely decomposable minimal equation on smooth projective curves $C$. The Jacobian of $C$ then decomposes correspondingly. For all positive integers $g$ and $\ell$, we give series of examples of smooth curves $C$ of genus $n\ell(g-1)+1$ with correspondences satisfying minimal equations of degree $\ell+1$ such that the Jacobian of $C$ has at least $2\ell$ isogeny components.

MSC:
14-XX Algebraic geometry

Keywords:
abelian varieties; correspondences; decomposition of Jacobians

Full Text: DOI

References:

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