

1046-14-1522

Yuri Zarhin* (zarhin@math.psu.edu), Pennsylvania State University, Department of Mathematics, McAllister Building, University Park, PA 16802. *Prym varieties of trigonal curves.*

Using Galois Theory, we construct explicitly absolutely simple Prym varieties that are not isomorphic to jacobians of curves even if we ignore the polarizations. Our approach is based on author's papers [arXiv:math/0610138](https://arxiv.org/abs/math/0610138)[math.AG] and [arXiv:math/0605028](https://arxiv.org/abs/math/0605028) [math.AG]. (Received September 15, 2008)