

Ann. Scuola Norm. Sup. Pisa Cl. Sci. (5)  
Vol. III (2004), pp. 625-635

## On the Hodge Cycles of Prym Varieties

INDRANIL BISWAS

**Abstract.** We show that the Néron–Severi group of the Prym variety for a degree three unramified Galois covering of a hyperelliptic Riemann surface has a distinguished subgroup of rank three. For the general hyperelliptic curve, the algebra of Hodge cycles on the Prym variety is generated by this group of rank three.

**Mathematics Subject Classification (2000):** 14H40 (primary); 14C30 (secondary).