

Chow classes of divisors on stacks of pointed hyperelliptic curves

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Abstract. We calculate the Chow classes of the universal hyperelliptic Weierstrass divisor $\overline{\mathcal{H}}_{g,w}$ and the universal g_2^1 divisor $\overline{\mathcal{H}}_{g,g_2^1}$. Our results are expressed in terms of a basis for $\text{Cl}(\overline{\mathcal{H}}_{g,1})$ and $\text{Cl}(\overline{\mathcal{H}}_{g,2})$ computed by Scavia [16].

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