

Pluri-cotangent maps of surfaces of general type

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Abstract. Let X be a compact, complex surface of general type whose cotangent bundle Ω_X is strongly semi-ample. We study the pluri-cotangent maps of X , namely the morphisms $\psi_n : \mathbb{P}(\Omega_X) \longrightarrow \mathbb{P}(H^0(X, S^n \Omega_X))$ defined by the vector space of global sections $H^0(X, S^n \Omega_X)$.

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