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*Arithmetic and algebraic hyperbolicity of surface pairs with almost ample cotangent bundle*

We will discuss arithmetic and geometric hyperbolicity properties of pairs  $(X, D)$  where  $X$  is a surface defined over a number field  $\kappa$  and  $D$  is a normal crossing divisor. In particular we will show that when the log cotangent sheaf  $\Omega_X^1(\log D)$  is almost ample all subvarieties of  $X$  are of log general type, even when  $(X, D)$  is mildly singular. Moreover if the log cotangent sheaf is in addition globally generated  $X \setminus D$  has only finitely many integral points, thus generalizing a theorem of Moriwaki. This is joint work with Kenny Ascher and Kristin DeVleming.