

# Algebraic foliations, applications to moduli problems

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A (possibly singular) foliation  $F$  on a complex projective manifold  $X$  is shown to have algebraic leaves if its dual is not pseudoeffective. A consequence which applies in (proving Log-canonical bigness of) moduli is the following : if  $D$  is a simple normal crossings divisor on  $X$  and  $L$  a big line bundle on  $X$  which injects in some tensor power of the Logarithmic cotangent bundle of  $(X, D)$ , then  $K_X + D$  is big. This is a joint work with M. Paun.