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Hyperbolicity properties of base space of families of projective manifolds

Base spaces of smooth families of projective manifolds with maximal variation whose canonical bundle is pseudo-effective exhibit various hyperbolicity properties. For example, it is known that the Moduli stack of polarized varieties of general type is Brody hyperbolic (due to Popa-Taji-Wu and Viehweg-Zuo). In the sense of birational geometry this can be reformulated by saying that the base spaces of such families is of log-general type (due to Campana-Paun, Popa-Schnell and Viehweg-Zuo). I will discuss generalization of these properties to the case where variation in the birational structure of such families is not maximal.