

The Kodaira dimension of symplectic 4-manifolds

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Abstract. Various results and questions about symplectic 4-manifolds can be formulated in terms of the notion of the Kodaira dimension. In particular, we will discuss the classification and the geography problems. It is interesting to understand how it behaves under some basic constructions. Time permitting we will discuss the symplectic birational aspect of this notion and speculate how to extend it to higher dimensional manifolds.