

Stability of pullback sheaves along toric fibrations

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Abstract

Locally trivial fibrations and blowups are example of toric fibrations. Given a reflexive sheaf over a polarized toric variety, we study the stability of its reflexive pullback along a toric fibration. Secondly, we will focus on the case of blowups along irreducible subvarieties of dimension greater than or equal to 1.

Paper: <https://arxiv.org/abs/2210.04587>