

1081-14-303

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One difficulty in constructing moduli of complexes of coherent sheaves is that, quite often, there are no canonical representations for the complexes involved. Using resolutions of reflexive sheaves and monads on projective spaces, I will give very concrete descriptions of certain stable complexes. This allows us to construct some strata of the moduli of stable complexes as global quotient stacks. (Received February 13, 2012)