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**David Ben-Zvi\*** (benzvi@math.utexas.edu), **Thomas Nevins** and **Victor Ginzburg**. *Hilbert Schemes, Perverse Bundles and D-Bundles*.

We use Koszul duality to give an elementary description of moduli spaces of "perverse bundles" on cotangent bundles  $T^*X$  of curves (in particular of Hilbert schemes of points on  $T^*X$ ), as well as of their noncommutative analogs, the moduli spaces of D-bundles. In genus zero this gives an alternative point of view on the ADHM data for torsion-free sheaves on  $P^2$  and its noncommutative version, the relation between D-modules and the Calogero-Moser spaces. (Received February 18, 2005)