

We study properties of coherent torsion sheaves on smooth and singular curves and classify such sheaves on a nodal singular curve. We investigate the bounded derived category of coherent sheaves on a singular Weierstrass curve of genus one. As a main tool we will use Siedel-Thomas twist functors. The notion of semi-stability and the numerical invariants degree and rank are essential for understanding of the complexity of such a category. We show that any category of semi-stable coherent sheaves of a given phase is equivalent to the category of torsion coherent sheaves on a singular Weierstrass curve.