

Coherent-constructible correspondence for toric Calabi-Yau orbifolds

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Coherent-constructible correspondence (CCC) is a manifestation of homological mirror symmetry when the symplectic side could be described microlocally by sheaves. I will review the mirror pair construction for toric Calabi-Yau orbifolds, and then explain the CCC for the two cases: 1) affine toric Calabi-Yau orbifold on the symplectic side (microlocal sheaves); 2) a toric Calabi-Yau 3-orbifold on the complex side (coherent sheaves).

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