STROMINGER-YAU-ZASLOW TRANSFORMATION AND EQUIVARIANT HOMOLOGICAL MIRROR SYMMETRY FOR TORIC VARIETIES

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Abstract: Homological mirror symmetry for toric varieties has been studied extensively in recent years. In this talk, I will discuss equivariant homological mirror symmetry for toric varieties based on a joint work with Bohan Fang, David Treumann, and Eric Zaslow. The main ingredients in our argument are (i) the SYZ transformation, and (ii) the microlocalization functor relating the Fukaya category of the cotangent to constructible sheaves on a base.