

1165-53-33

**Maxim Jeffs\*** ([jeffs@math.harvard.edu](mailto:jeffs@math.harvard.edu)), 1 Oxford Street, Science Center, Cambridge, MA 02138. *Mirror symmetry and Fukaya categories of singular varieties.*

In this talk I will explain Auroux' definition of the Fukaya category of a singular hypersurface and two properties of this definition, illustrated with some examples. The first property is that Auroux' category is equivalent to the Fukaya-Seidel category of a Landau-Ginzburg model; the second property is a homological mirror symmetry equivalence at certain large complex structure limits. I will also discuss ongoing work concerning generalizations to complete intersections. (Received January 08, 2021)