

## **Grid diagrams and contact geometry II**

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In this lecture, I'll describe the combinatorial formulation of knot Floer homology via grid diagrams, due to Manolescu, Ozsvath, and Sarkar, and explain how Ozsvath, Szabo, and Thurston used this to construct an invariant of transverse knots. I'll also try to compare the effectiveness of this "grid invariant" to other transverse invariants and to Birman and Menasco's work on transverse 3-braids.