

# Augmentations and sheaves for Legendrian graphs

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Legendrian graphs are singular generalizations of Legendrian knots in the contact three-space, which arise naturally as the micro-support at infinity of constructible sheaves on the front plane. In this talk, I will discuss Legendrian isotopy invariants of Legendrian graphs similar to the story of Legendrian knots: Legendrian contact homology differential graded algebras, counting of their augmentations by ruling polynomials, time permitting, also the Fukaya-like category of augmentations (augmentation category), and its relation to a sheaf category on the front plane defined via the same Legendrian graph.

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