

# Sheaf quantization of augmented Legendrians and contact homology

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In a unit cotangent bundle, to a Legendrian submanifold equipped with an augmentation, we associate a complex of sheaves with its singular support intersecting the unit cotangent bundle along the Legendrian submanifold. We show that this construction leads to a functor defined on the category of augmented Legendrians.

*This is a joint work in progress with Claude Viterbo.*