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Quantization of Symplectic Stratified Spaces

Symplectic stratified spaces are a natural class of singular spaces which appear in equivariant symplectic geometry. There have been many approaches to trying to quantize stratified symplectic spaces that can be quite ad-hoc and rely on a quotient structure. In this talk I will discuss a new more intrinsic way of quantizing that generalizes the more classical approaches for manifolds and doesn't require a group action, but still functions nicely in the presence of one.