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Title: Exact Immersed Lagrangian Floer theory

Abstract:

I will first explain a notion of exact  $A$  infinity category. (I may explain monotone  $A$  infinity category also.) They are variant of filtered  $A$  infinity category but has more detailed information related to filtration. I then explain how immersed exact (or monotone) Lagrangian Floer theory gives such a structure. I then explain some calculation.

If time permit I will explain how monotone  $A$  infinity category appears in gauge theory.

This talk is based on joint works with A. Daemi.