Fukaya category with stops

Let A be a conical subset of T\*M, that is one preserved by the scalar action on fibres. Then the above theorems raise the question: what is the image of the equivalence shown under the given restriction?

> $D(QCon(M)) \xrightarrow{} DFuk^{WF}(T*M)$   $U \qquad U$  $D(QCon_{M})) \xrightarrow{} ?$

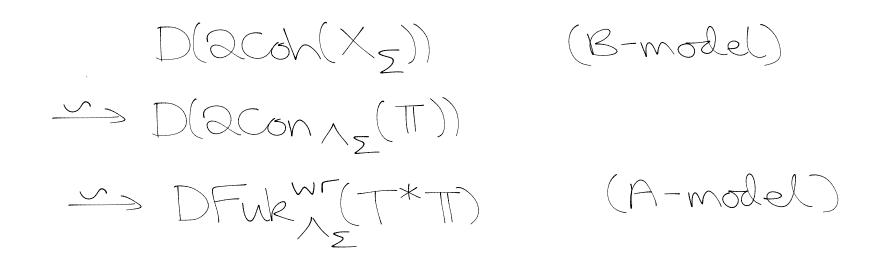
To answer this, we define the category "with stops"  $DFuk_{\Lambda}^{Wr}$ , with objects given by Lagrangians which avoid  $\Lambda$  in the limit  $|?| \rightarrow \infty$  for  $(m, ?) \in T^*M$ .

Using this, we have the following recent result of Ganatra-Pardon-Shende [GPS]

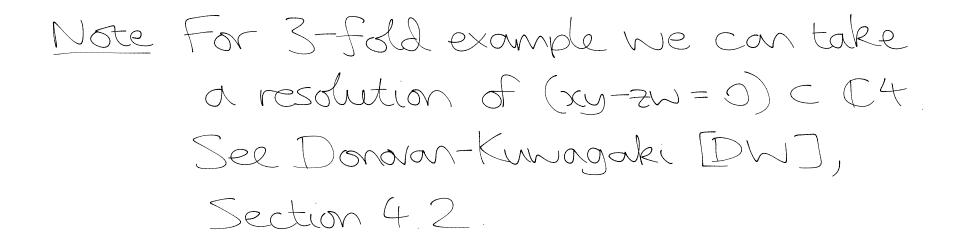
The  $D(QCON_{(M)}) \xrightarrow{\sim} DFuk_{A}^{WF}(T*M)$ 

Toric homological MS.

Combining the work of Kuwagaki and GPS, we obtain the following statement of homological MS



Rem In fact, this work extends to toric stacks, in sense of, for instance, Geraschenko-Satriano (GST.



Further topics

See [TZ] for correspondence between Dehn twist operations on symplectic monifolds and symmetries of D(QCoh(X)) under mirror symmetry.