

Discussion session

Q: Liouville vs Weinstein.

Weinstein $\Leftrightarrow \frac{1}{2}$ dim'l homotopy type

ex: (McDuff) There is a Liouville structure on (W, λ) , where

$W \cong_{\mathbb{C}\mathbb{Z}} U^* \Sigma_g \rightarrow$ homotopy type of 3D mfd, so it can not be Weinstein.

What about $W \times \mathbb{C}$? This could be Weinstein...

ⓐ/exercise: find by hand a Liouville structure on a 3-handle.