



YONSEI BK Geometry Seminar

Computation of Fukaya Categories

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While Fukaya category is a powerful invariant in symplectic topology, its computation is often considered challenging. However, if we consider a Weinstein manifold, i.e., symplectic manifold with nice properties, then the nice properties can simplify the computation of the corresponding Fukaya category. In the first half of the talk, we will discuss why this phenomenon happens, and in the second half, I will present an example computation. The example I will give is a plumbing space of T^*S^n . (There will be no prerequisite except the concept of differential forms.)

2024. 4. 3. (수) 14 : 00
과학관 262호

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