

## **abstract**

GEOMETRY/DYNAMICAL SYSTEMS SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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We will explain how to construct a symplectic Lefschetz fibration with explicit regular fiber and vanishing spheres which models a complexified Morse function on a cotangent bundle. We will sketch at the end how this leads to a definition of generalized matching paths and other applications to the study of Lagrangians in cotangent bundles.