1163-57-355   **Inanc Baykur*** (baykur@math.umass.edu) and **Noriyuki Hamada** (hamada@math.umass.edu). *Lefschetz fibrations and symplectic geography.*

We will discuss how to build symplectic Lefschetz fibrations with prescribed signatures and spin type, along with novel applications to the geography of symplectic 4-manifolds. This is joint work with N. Hamada. (Received September 03, 2020)