

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

UNIQUENESS IN THE LOCAL DONALDSON-SCADUTO CONJECTURE

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Zoom link:

<https://bostonu.zoom.us/j/92821588998?pwd=UAXDw1ELkgh52edVqGCcp9CalYbMHD.1>

Abstract: The local Donaldson-Scaduto conjecture predicts the existence and uniqueness of a special Lagrangian pair of pants in the Calabi-Yau 3-fold which is a product of an ALE hyperkahler 4-manifold of A2 type and the complex plane. The existence of this special Lagrangian has previously been proved by Esfahani and Li. In this talk, we will only discuss the proof of the uniqueness, showing that no other special Lagrangian pair of pants satisfies this conjecture. This talk is based on arXiv:2412.19219 joint work with Esfahani and Li.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yu-Shen Lin (yslin@bu.edu) or Brian Williams (bwill22@bu.edu) for more information.