Springer theory for symplectic geometers

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In its modern formulation, Springer's theory of Weyl group representations involves perverse sheaves on the nilpotent cone of a Lie algebra. I will explain a much more down-to-earth viewpoint on this subject via symplectic geometry and Floer theory. I will also discuss how it appears as a toy model of the Geometric Langlands program.

1:00 p.m.

Math 520

Columbia University