David Hyeon

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 $Regularity \ and \ Bridgeland \ stability \ of \ zero \ dimensional \ subschemes \ of \ the \ projective \ plane$

In this talk, I will describe a close and precise connection between the Castelnuovo-Mumford regularity and the Bridgeland stability of zero dimensional schemes on the projective plane. This is a joint work with Jungyoung Park (POSTECH) and Izzet Coskun (University of Illinois at Chicago).