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## M-Branes and Gauge Theories

*Wednesday, 11 January 2017 15:50 (25 minutes)*

In this talk I will give a review of developments over the past few years in the study of Brane dynamics in M- theory. I will begin with a brief discussion of what M- theory is, and what Branes it contains. I will then examine the various attempts to use gauge theories to probe the low energy dynamics of M2 branes, analogous to the use of  $SU(N)$  Super Yang Mills to describe interacting D Branes in String theory. I will conclude by outlining the much more challenging problem of interacting M5 Branes- the (2,0) theory

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