

1067-14-1220 **Izzet Coskun*** (coskun@math.uic.edu), 851 S Morgan Street SEO 322, Chicago, IL 60607, and
Jason Starr. *Rational curves on cubic hypersurfaces*.

In this talk, I will prove that the space of rational curves of degree d on a smooth cubic hypersurface of dimension at least 3 is irreducible and of the expected dimension. I will also discuss the problem of irreducibility of spaces of rational curves in higher degree hypersurfaces. This is joint work with Jason Starr. (Received September 20, 2010)