1125-14-3122   **David Yang***, Department of Mathematics, 77 Massachusetts Avenue, Massachusetts Institute of Technology, Cambridge, MA 02139-4307. *Rational Curves on Hypersurfaces.*

A hypersurface can be as the zero locus of a single multivariate polynomial. They are some of the simplest geometric spaces appearing in algebraic geometry. We survey what is known about the geometry of hypersurfaces, in particular about spaces of lines and their higher degree analogues, rational curves, in the hypersurface. (Received September 21, 2016)