1139-14-459   **Jonathan Esole*** (`mboyoesole@gmail.com`), Northeastern University, Department of Mathematics, 360 Huntington Avenue, Boston, MA 02115. *Slicing and Flopping: The Geometry of SO(4) Models.*

I will explain how the geometric engineering of SO(4) models in F-theory and its relation to elliptic fibrations with Mordell-Weil groups Z/2 and the Atiyah's flop. (Received February 18, 2018)