1108-57-175   **Christine Ruey Shan Lee*** (`leechr29@msu.edu`). *Crosscap number of an alternating link and the Jones polynomial.*

We discuss a two-sided linear bound of the crosscap number of an alternating link, obtained by studying the geometry of a corresponding augmented link complement. By writing this bound in terms of the coefficients of the Jones polynomial, we are able to improve known lower bounds of crosscap numbers for many alternating knots. The talk will sketch the main ideas of the proof, as well as discuss possible extensions of the result. This is joint work with Efstratia Kalfagianni. (Received January 10, 2015)