**On the Kelmans-Seymour conjecture**  
Dawei He, Yan Wang and Xingxing Yu\*, Georgia Institute of Technology  
  
Kelmans and Seymour independently conjectured in the 1970s that    
every 5-connected nonplanar graph contains a subdivision of $K\_5$.  
Ma and Yu proved that this conjecture holds for graphs containing $K\_4^-$.  
We have recently proved this conjecture.  In this talk, we will give    
an outline of our proof