













P waves arrive first, S-waves second (followed by surface [Rayleigh and Love] waves) P-waves produce compressional motion parallel to direction of propagation (Primary/Pressure waves) S-waves produce shear motion perpendicular to direction of propagation (Secondary/Shear waves) S-waves are usually larger amplitude than P-waves for earthquakes, especially at lower frequencies (but their arrival times and initial polarization are harder to measure) We will focus on P-waves to characterize faults





Here's another picture of the same thing (recognize from Week 1?)



























PLOTTING FIRST MOTIONS ON STEREONET









