- · Slide Cuthne First
- · Break outline into dendritie growth has no good analogue in the physical process of Laser Metal Project. Modulie of the steel very hard.

+ Need Supporting Equations from some site

+ 4 rayle of slicks?

- + Compare scale of dandritie growth to minimum longthe scale of the AFM
- · Set Up with: FEM Research process on po (2)
 - + Processes of Dendritie fromthe linked to solidification of both among and moulticomponent liquid, examples like ice.
 - i) Box Liquid
 - o Begin in the free vacuum on (free growth)
 - iii) hiquid Solid Interfere grows where recions befor the bounday becomes super-rooted
 - o The is a great visualization video in 30 = gif
 - . Note how the boundary is not a clean line but weather
 - · Relate to "4" or storte pour meter not place field experience
 - . Grough of the State as a product of the environment
 - iv) Its districtive shape comes from how the crystal anisotropy allows for solidification in every favorable direction
 - o Stale Propogates in shape preserving morniour "dot of flux?"
 - · Energy forwardle lineations
 - · As the dendrite growth goes on, heat energy goes into the dendrite