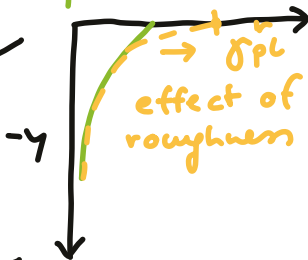
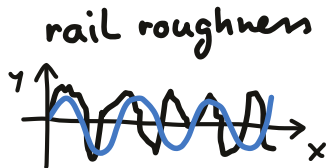


5

 u_x, γ_{pl} plastic shear strain γ_{pl} 

rough surfaces

$$\gamma_{pl}^r = f\left(\frac{A}{\lambda}\right)$$



equivalent sine wave