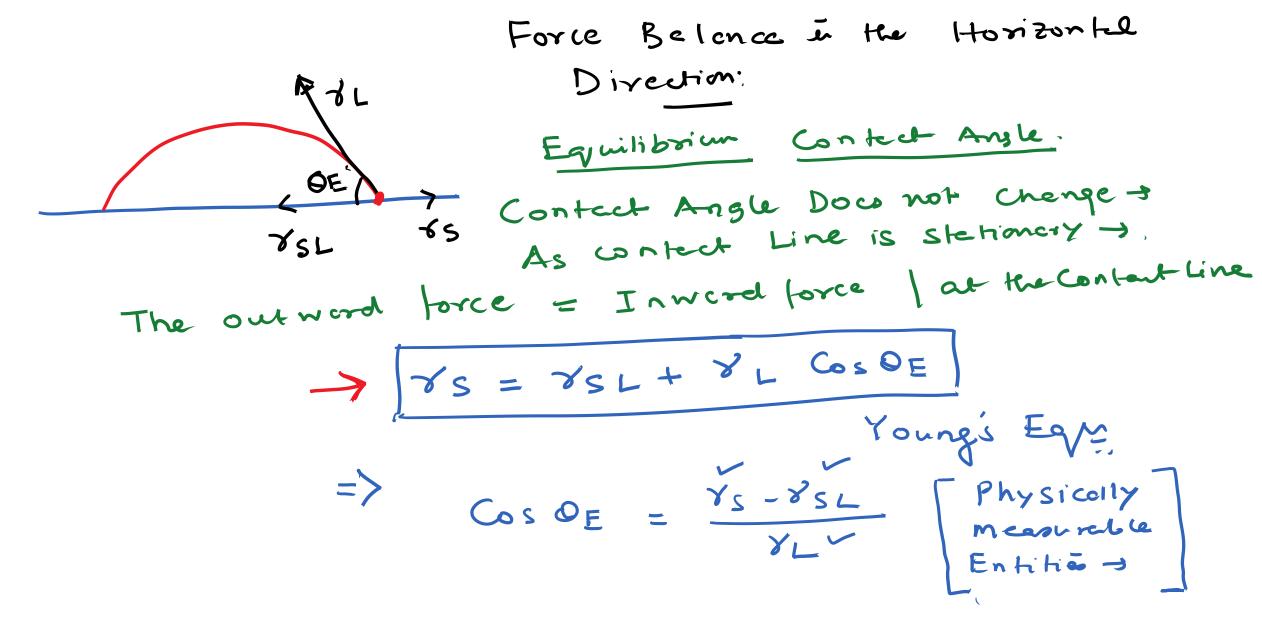
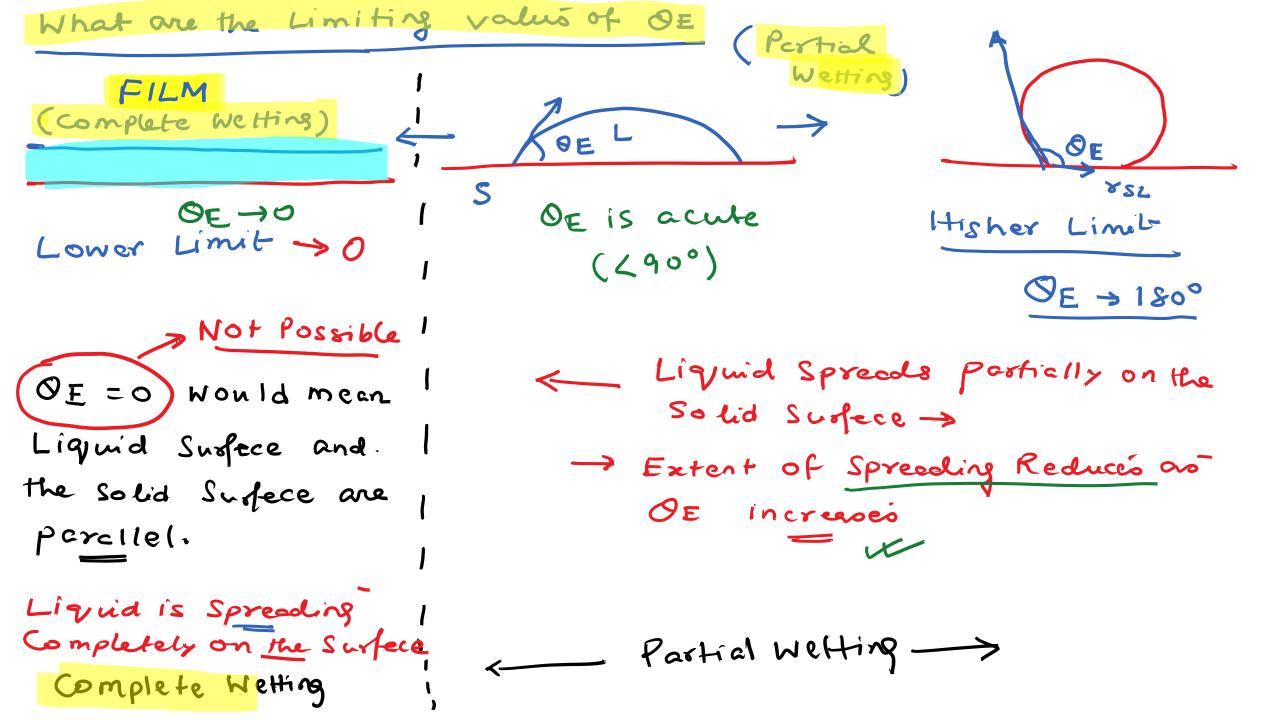
Young's Equation

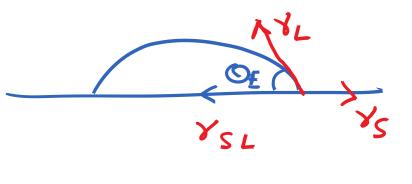
Date: 19.01.2022





A liquid particuly wets a Solid Surface > O<0E<180°

$$= \sum_{S = S} \sum_{S} \sum_{S = S} \sum_{S =$$



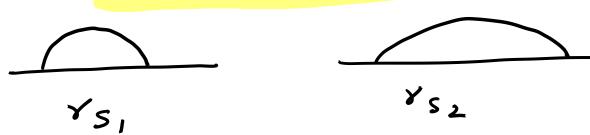
We are dispensing the same liquid on surfects with different os.

If 85 decresses

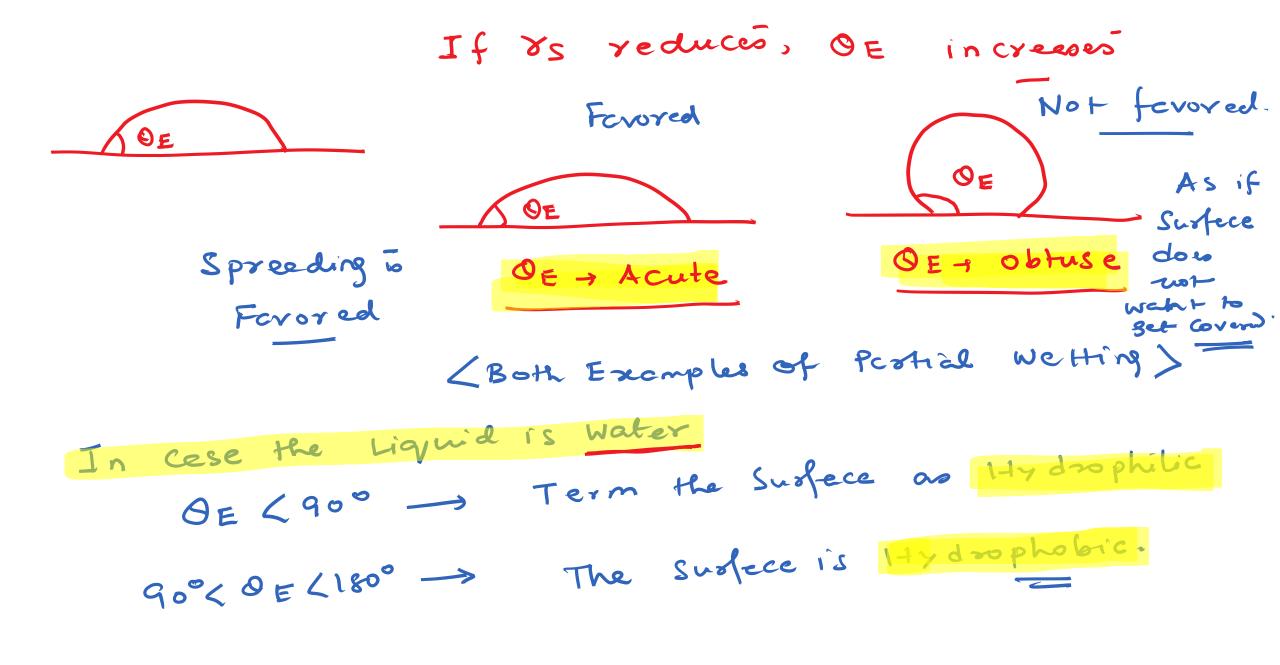
→ Increase in ØE.

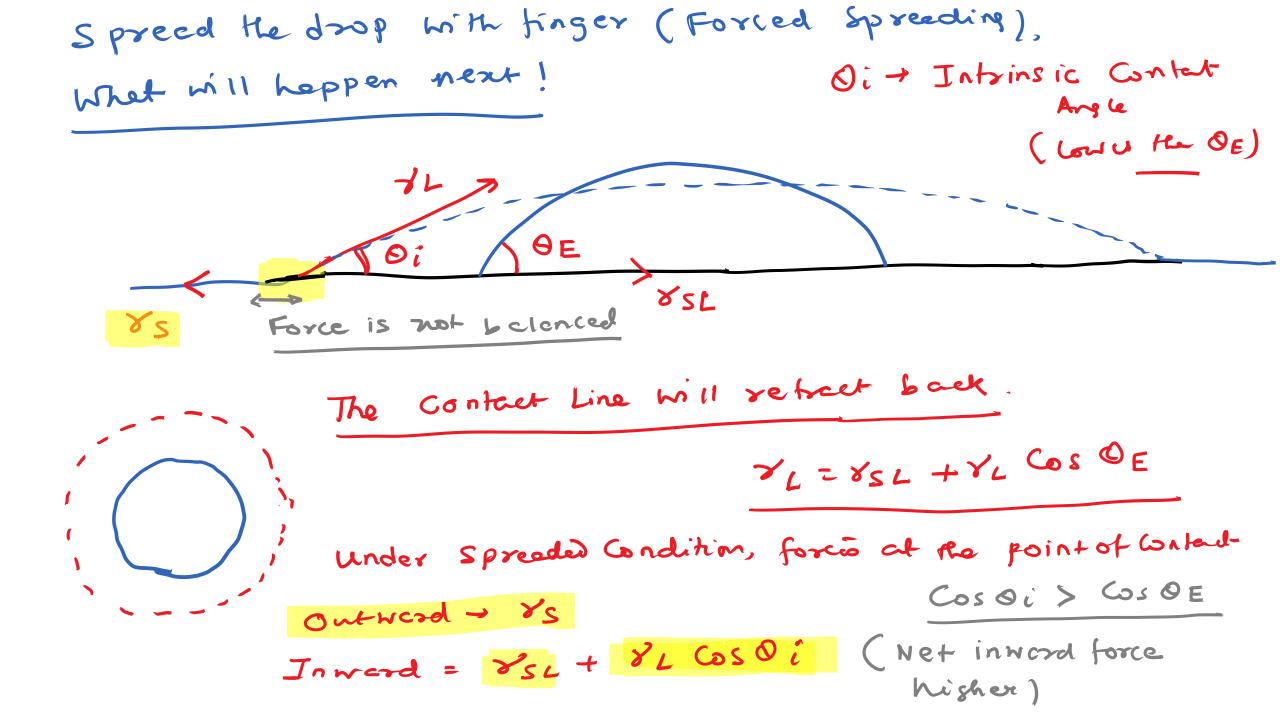
-> How OE would change and 85 Changes

(Assumption: 8sL & Constent)

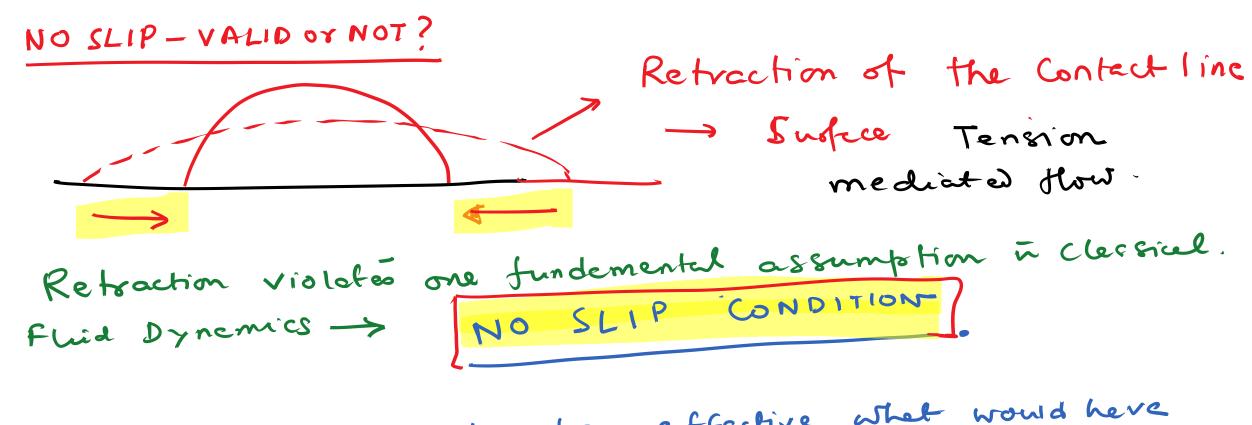


$$(\cos 0^{\circ} = 1)$$
 $(\cos (0) = -ve)$
 $(\cos (0) = -ve)$





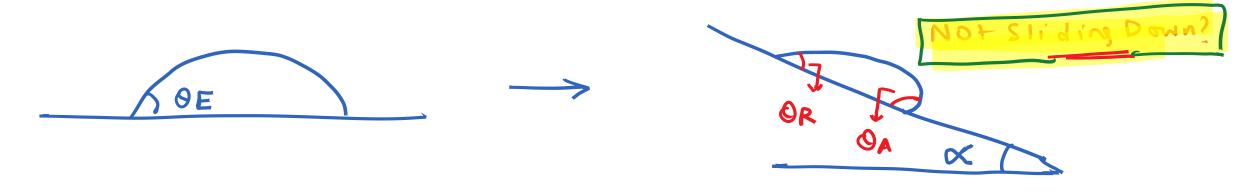
Swface Inward retraction of the Contact Line. Tension How long will this retraction continue mediated Flow Dynamics will Stop. 10E-011<==0 $\rightarrow 1$ Observed Contact line Retraction of Contect line 15 mill Retract associated with Flow: -What is the driving Force for this flow? > Exposing a Retracts back to its bore surface Original configuration Which was ecolier under Grund -> Denetting.



Had NO SLIP Condition been effective, what would have neppened after you had spread the drop?

L Contact Line would have remained Stuct.

Have you seen a drop Sliding Down an inclined Plain?



What will happen?

The moment you tilt the Surface + There will be - gring body force acting on the drop!

* A drop on an inclined or a verticel Surface Helic not moring ->?