

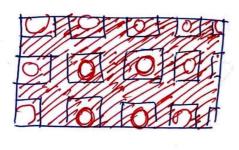
Anneeled above glass. transition temp. So it will be knowne Liq. drop.

(a) Grey to hydrophilic -> We Hable.

White Area to Hydrophobic -> Less, We Hable.

So film to over are where the Spreading Coeff Hamakes Constat vary Spechicly.

Film to going to rupture over the Hydrophobic.



- ensomob xod

Ruptured hole -> Followed by

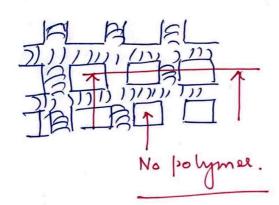
Itale growth

But hole growth will

limited to hydrophobic donant

Only

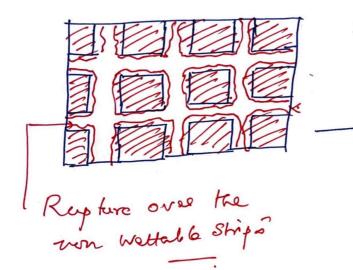
So basically we will have a supstand film, that has suptained and dewetted over the hydrophobic domains resulting it all polymer accumulated over the hydrophelic domains.



Cross Section ofthe Strips

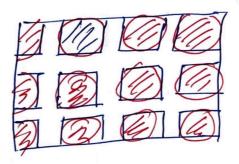
(b) Domains are Swapped

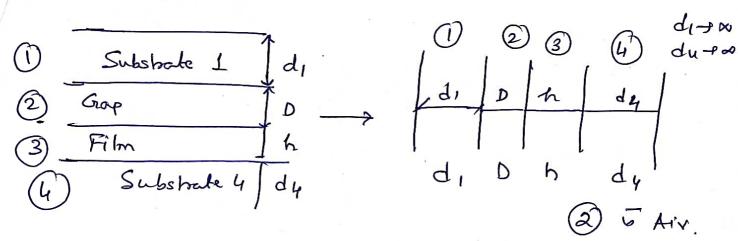
So now box ares are hydrophilic and. the strips are by drop habic.



So now supture takes over the stripes

Eventually the box areas will be covered with polymer. The ships will be bare,





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Rolate 900 ACW

2+ Air 3+ Film,

Components:

Self EnersyA
$$3 = -\frac{A33}{12\pi\hbar^2}$$

Have to Consi del Interaction between (1,3), (1,4) and (3,4)

Interaction be huce

Interaction between
$$\frac{d_1}{d_1=0}$$
 $\frac{d}{d}$. $\frac{d_2}{d}$.

$$= -\frac{A_{13}}{12\pi} \left[\frac{1}{(d_1+b+h)^2} + \frac{1}{D^2} - \frac{1}{(d_1+b)^2} - \frac{1}{(h+b)^2} \right]$$

$$= -\frac{A_{13}}{12\pi} \left[\frac{1}{D^2} - \frac{1}{(h+D)^2} \right]$$

$$\begin{array}{cccc}
\text{(1)} & \text{and (4)} & \text{(1)} & \text{(2)} & \text{(2)} & \text{(2)} \\
\text{(1)} & \text{(2)} & \text{(2)} & \text{(2)} & \text{(2)} & \text{(2)} \\
\text{(2)} & \text{(2)} & \text{(2)} & \text{(2)} & \text{(2)} & \text{(2)} \\
\text{(3)} & \text{(4)} & \text{(4)} & \text{(2)} & \text{(2)} & \text{(2)} \\
\text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} \\
\text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} \\
\text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} \\
\text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} & \text{(4)} \\
\text{(4)} & \text{(4)} \\
\text{(4)} & \text{(4)} \\
\text{(4)} & \text{(4)} \\
\text{(4)} & \text{(4)}$$

$$-\frac{A14}{12\pi} \left[\frac{1}{(d_1+d_2+D+h)^2} + \frac{1}{(h+D)^2} - \frac{1}{(d_1+h+D)^2} - \frac{1}{(d_1+h+D)^2} \right]$$

$$= -\frac{A_{14}}{(2\pi \cdot (h+D)^2)},$$

(3) and (4) =
$$-\frac{A_34}{12\pi} \left[\frac{1}{(h+Au)^2} + \frac{1}{do^2} - \frac{1}{h^2} - \frac{1}{4u^2} \right]$$

= $-\frac{A_34}{12\pi} \left[\frac{1}{do^2} - \frac{1}{h^2} \right]$

System
$$= \frac{A_{11}}{12\pi d_{1}^{2}} - \frac{A_{33}}{12\pi h^{2}} - \frac{A_{44}}{12\pi d_{4}^{2}} - \frac{A_{13}}{12\pi} \left[\frac{1}{D^{2}} - \frac{1}{(h+D)^{2}} \right]$$

$$- \frac{A_{14}}{12\pi} \left[\frac{1}{(h+D)^{2}} - \frac{A_{34}}{12\pi} \left[\frac{1}{d_{0}^{2}} - \frac{1}{h^{2}} \right] \right]$$

$$= -\frac{A_{33}}{12\pi h^2} - \frac{A_{13}}{[2\pi]} \left[\frac{1}{D^2} - \frac{1}{(h+D)^2} \right]$$

$$-\frac{A14}{12\pi}\frac{1}{(h+D)^2}-\frac{A34}{12\pi do^2}+\frac{A34}{12\pi h^2}$$

$$= -\frac{\left(A_{33} - A_{34}\right)}{12\pi h^{2}} - \frac{A_{13}}{12\pi b^{2}} - \frac{\left(A_{14} - A_{13}\right)}{12\pi \left(h + D^{\frac{3}{2}}\right)^{2}} - \frac{A_{34}}{12\pi d_{0}^{2}}$$

$$= - \frac{(A33 - A34)}{12 \text{ TT } h^2} - \frac{A13}{12 \text{ TT } D^2} - \frac{(A14 - A13)}{12 \text{ TT } (h+0)^2} - \frac{A34}{12 \text{ TT } do^2}$$

$$- \left[\frac{A33 - A34}{12 \pi h^2} - 0 - 0 - \frac{A34}{12 \pi do^2} \right]$$

$$\frac{1}{4} = \frac{13}{12} = \frac{A \cdot 14 - A \cdot 3}{12 \cdot 11 \cdot D^2} = \frac{A \cdot 14 - A \cdot 3}{12 \cdot 11 \cdot D^2}$$

$$\frac{1}{12} = \frac{1}{12} = \frac{A \cdot 14 - A \cdot 13}{12 \cdot 11 \cdot D^2} = \frac{A \cdot 14 - A \cdot 13}{12 \cdot 11 \cdot D^2}$$

July an Technology Kharage &