

Feb 24-2:42 PM

mag = 1300

n = ?



$N = 3$   
1300

\* Use it for AAR!

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$N = ?$   $n = ?$   
 $N_{100} = 2$   
 sub. mag?

$$N_{100} = N_{mag} \times \left( \frac{mag}{100} \right)^2$$

$$= 3 \times \left( \frac{1300}{100} \right)^2$$

$$N_{100} = 507$$

$$507 = 2^{n-1} \Rightarrow n = 9.98$$

#1  
 $n = 9.98$   
 $n_{\#2} = ?$   
 $n_{\#3} = ?$   
 Ave  $\rightarrow 10.3 \approx 10$   
 or  $\rightarrow 10.6 \approx 11$

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#1

$AGS_{ave} = ?$

$$AGS_{\#1} = \frac{1/1300}{5^{-4}}$$

$$= 1.53 \times 10^{-4}$$

grain size

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AAR mag = 1300

Grain

1

2

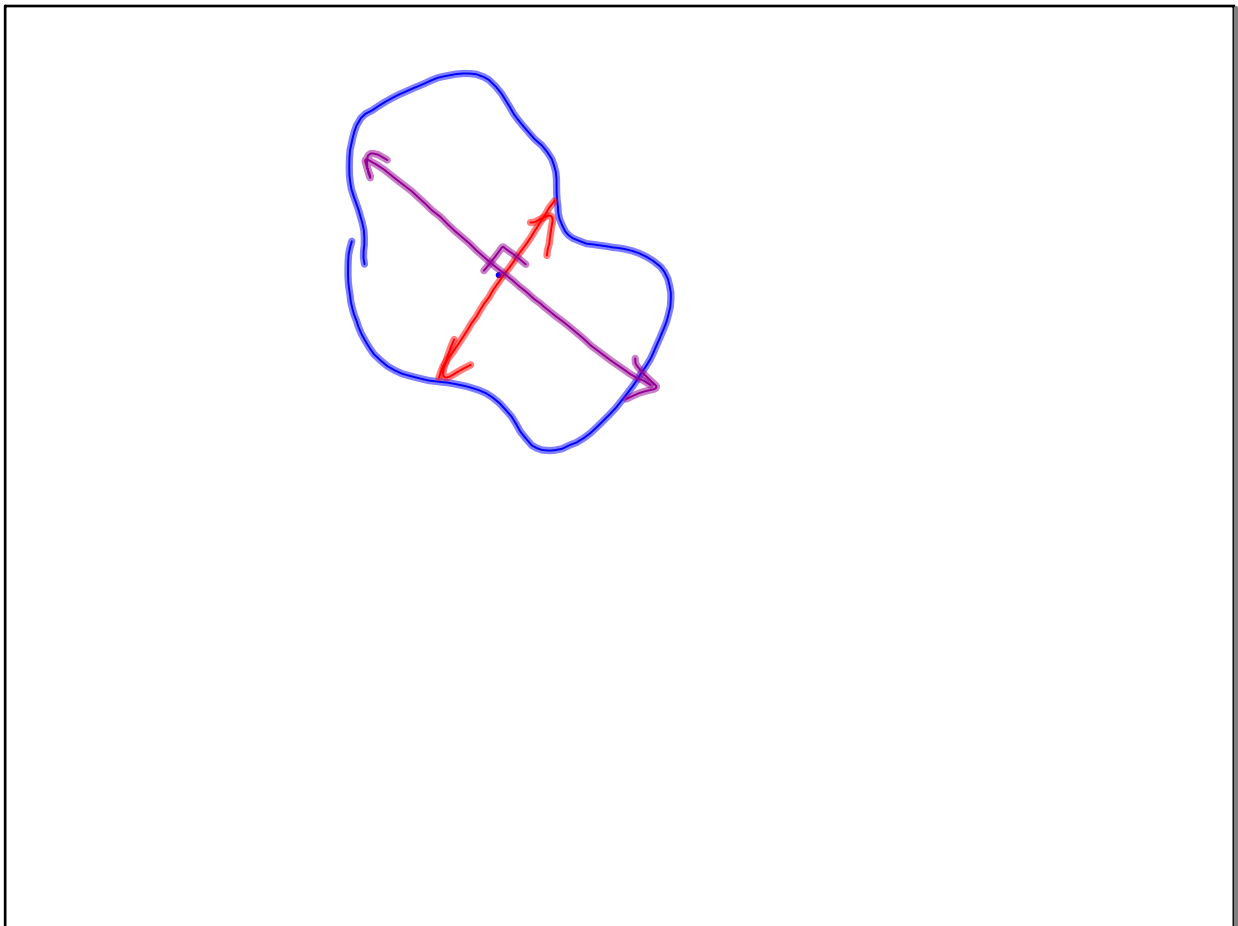
3

$\Sigma \min$   $\Sigma \max$

$\Rightarrow$  AAR =  $\frac{\Sigma \min}{\Sigma \max}$

AAR<sub>ave</sub> ?

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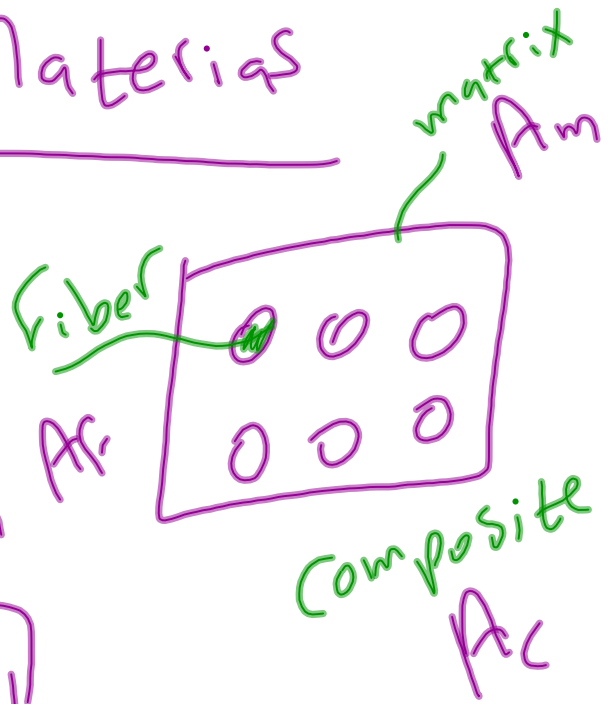
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# Composite Materials

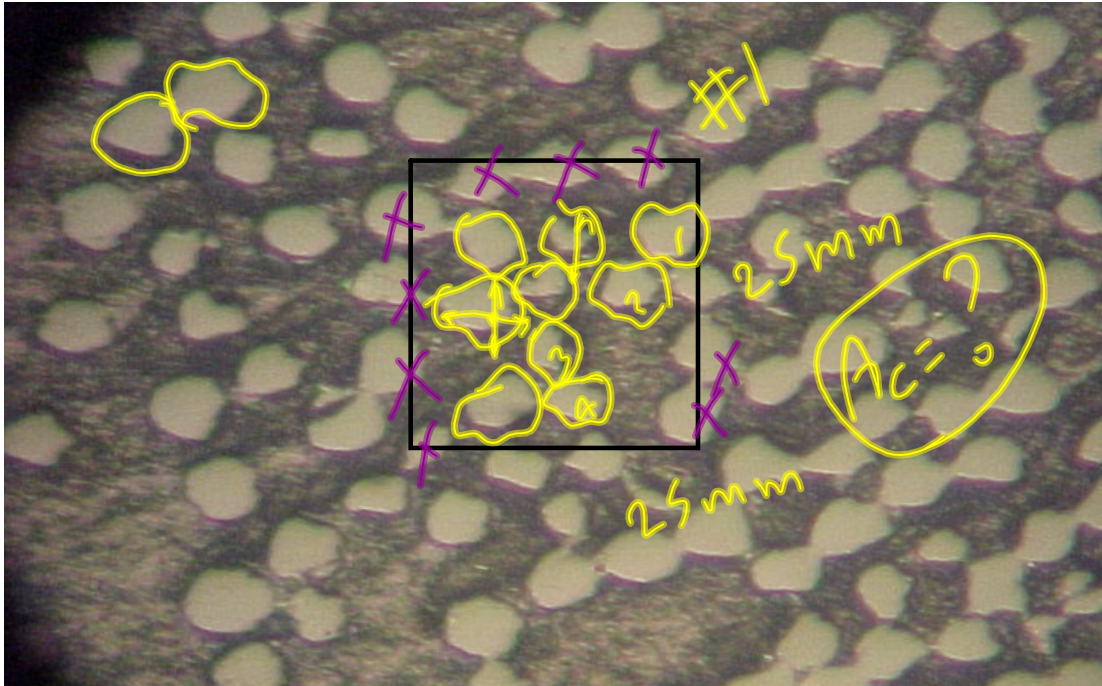
$$FVF = ?$$

$$A_c = A_f + A_m$$

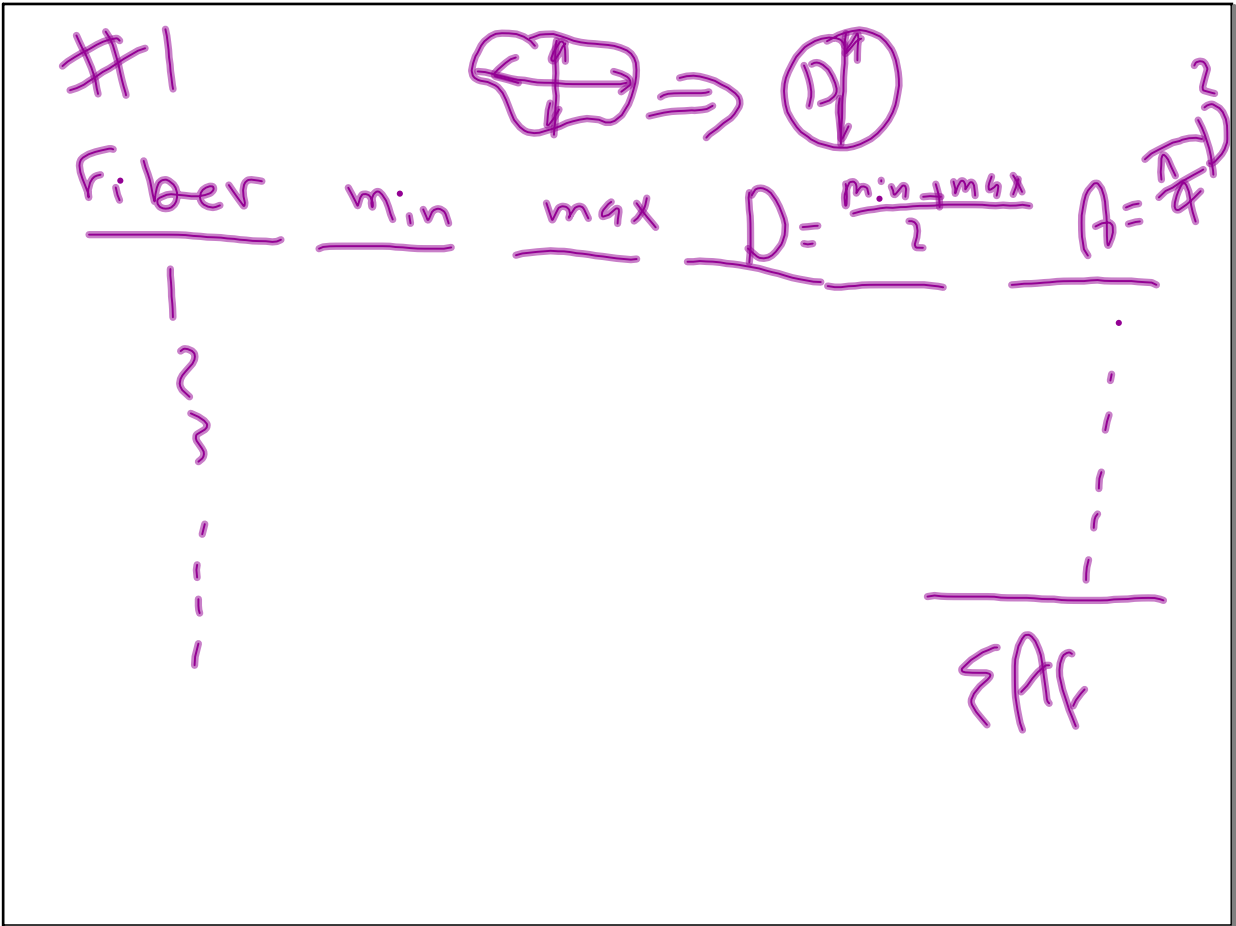
$$FVF = \frac{A_f}{A_c}$$



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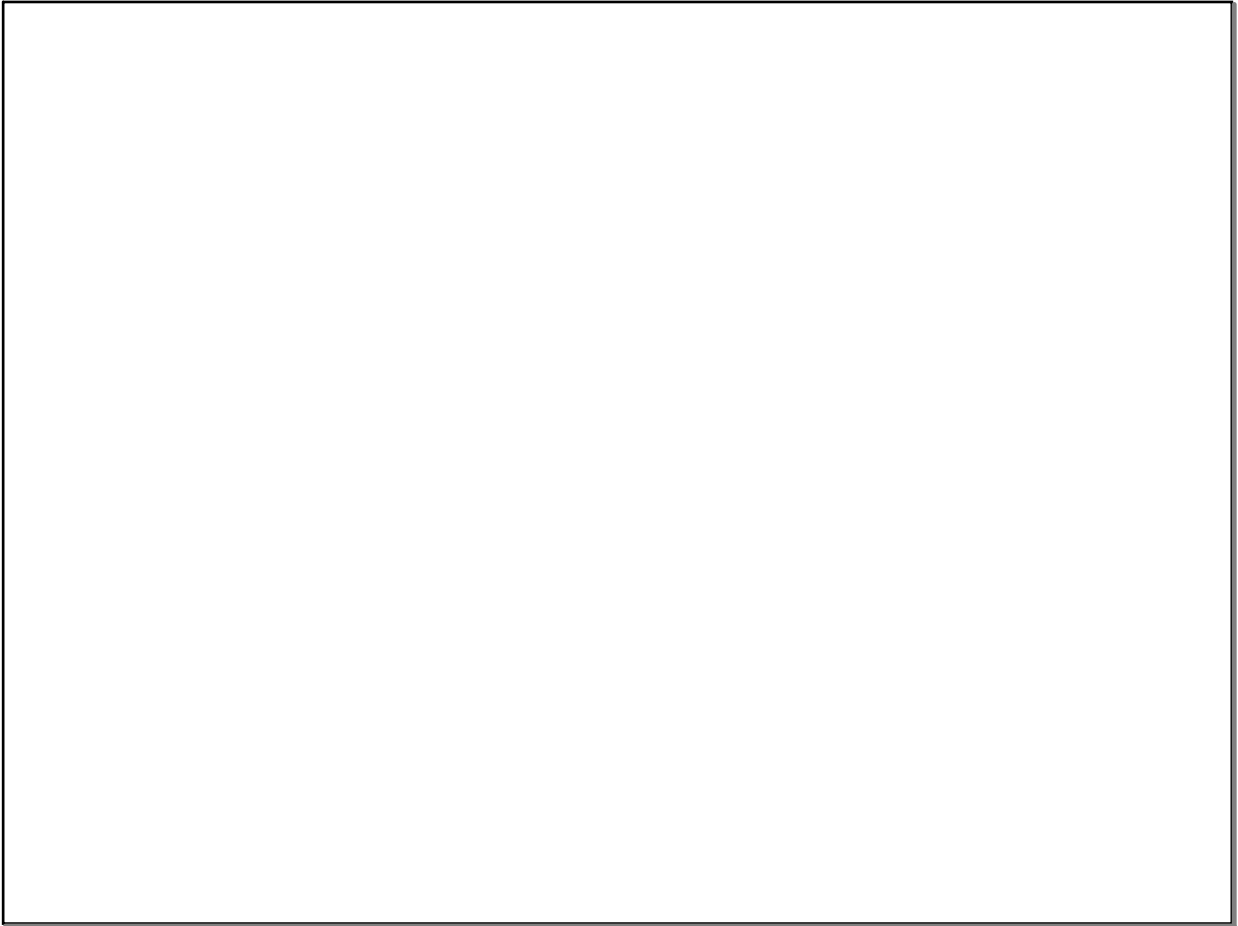


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$$FVF_{\#1} = \frac{\sum A_f}{A_c}$$

$$FVF_{ave} = ?$$

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