

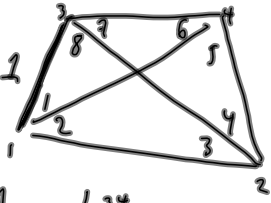


Lecture 33 label units 33-1

HW4 comments 

2(b)  by obs. only

 $n=8$
 $n_0=4$
 $r=4$

obs. only \Rightarrow 4 cond. eqns.

$a_1 + a_2 + a_3 + a_8 = 180$
 $a_2 + a_3 + a_4 + a_5 = 180$
 $a_1 + a_8 + a_7 + a_6 = 180$
 $a_4 + a_5 + a_6 + a_7 = 180$

only 3 of these are independent

do same process with $LL \nabla LR \Delta$'s

$\frac{1}{\sin a_6} = \frac{L_{34}}{\sin a_1}$
 $\frac{L_{34}}{\sin a_4} = \frac{L_{42}}{\sin a_7}$
 $L_{34} = \frac{L_{42} \sin a_4}{\sin a_7}$
 $\frac{1}{\sin a_6} = \frac{L_{42} \sin a_4}{\sin a_7 \sin a_1}$
 $L_{42} = \frac{\sin a_7 \sin a_1}{\sin a_6 \sin a_4}$

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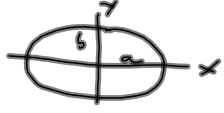
33-2


$\frac{\sin a_7}{\sin a_6} \cdot \frac{\sin a_1}{\sin a_4} = \frac{\sin a_2}{\sin a_3} \cdot \frac{\sin a_8}{\sin a_5}$

HW6: units, $\frac{x}{-f} = \frac{y}{w}$
 data for checking particles

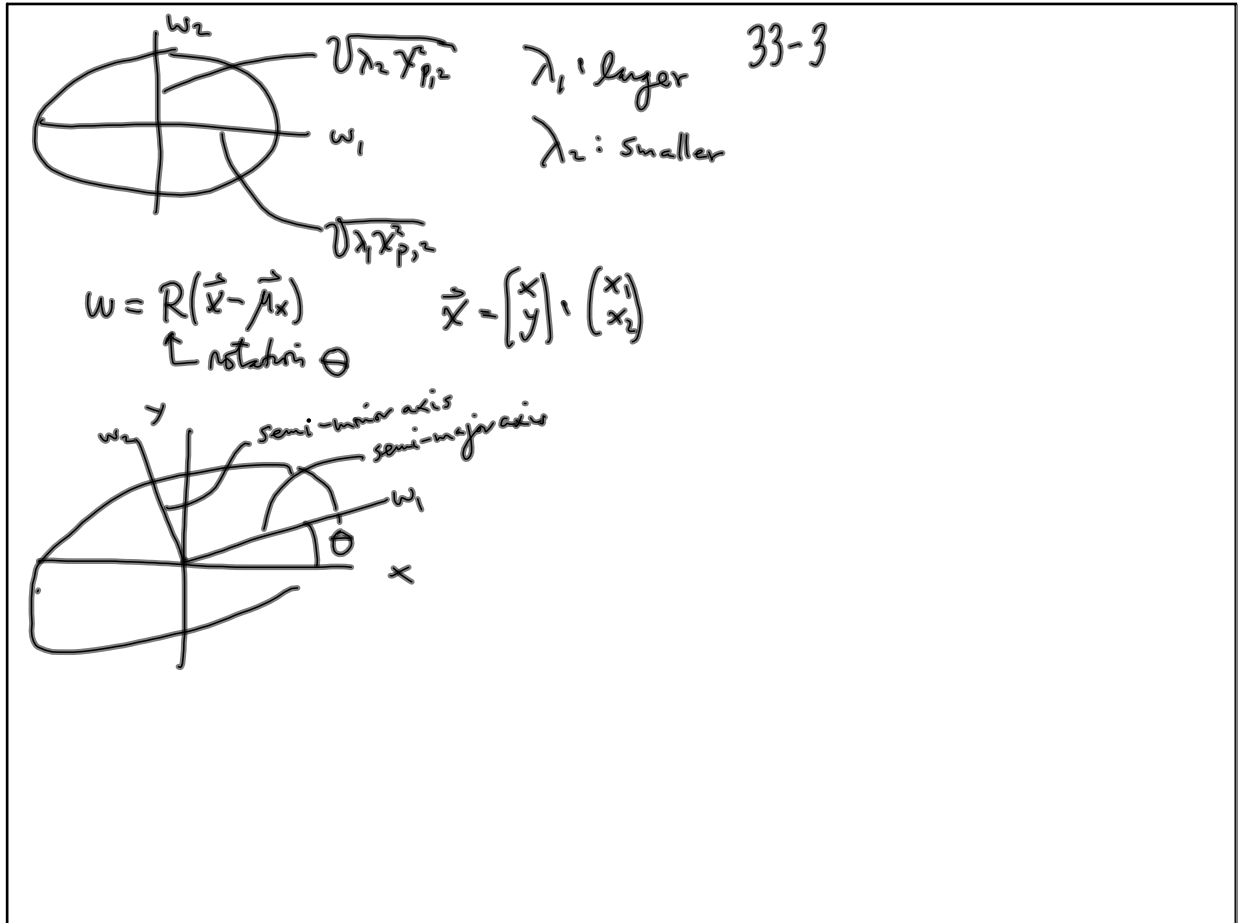
Conf. regions

$\text{Prob} \left(\frac{w_1^2}{d_1^2 \chi_{p,2}^2} + \frac{w_2^2}{d_2^2 \chi_{p,2}^2} < 1 \right) = P$

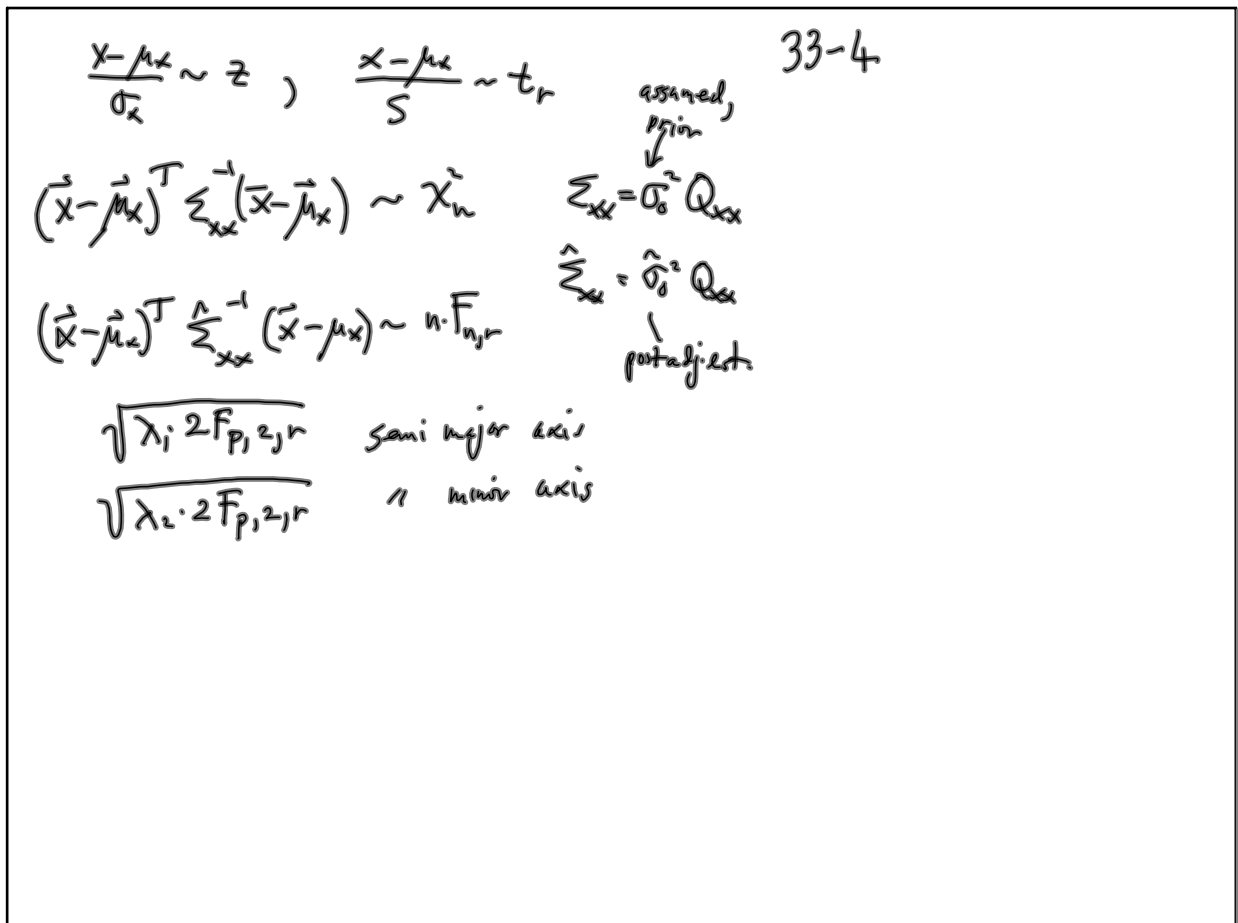
$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$ 

$\frac{x^2}{a^2} + \frac{y^2}{b^2} < 1$ 

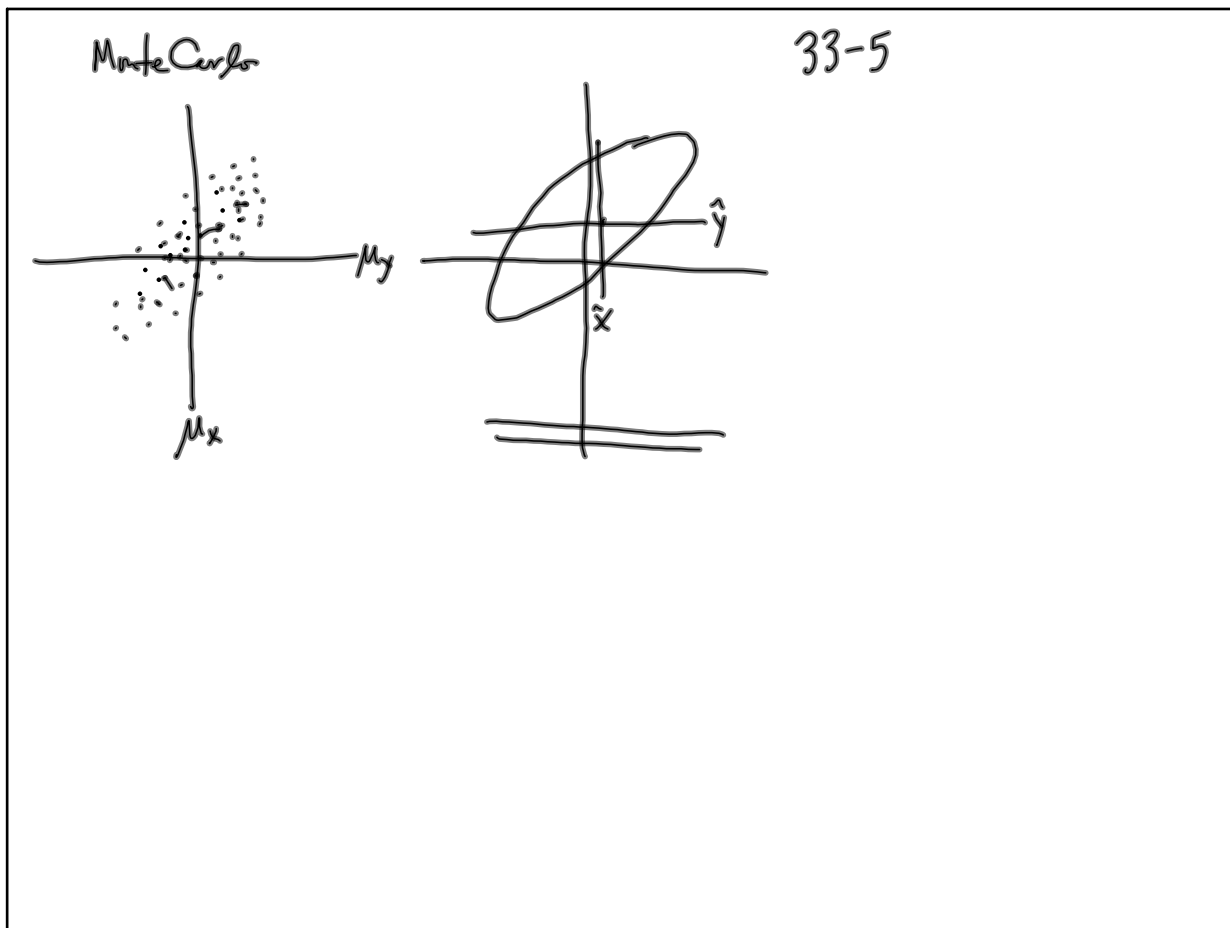
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