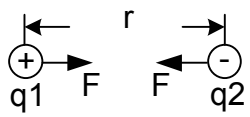
Additional Formula Sheet

Formulas	**Variables**	**Variables continued & Constants**	**Picture** (Visualization)
example $F = \frac{kq_1q_2}{r^2}$	F : electric force q_1 : charge 1; q_2 : charge 2 r : separation distance	k : 8.99×10^9 Nm^2/C^2	
$\sin\theta = m\frac{\lambda}{d} \quad m = 0,1,2,3\ldots$			
$\sin\theta = \left(m + \frac{1}{2}\right)\frac{\lambda}{d} \quad m = 0,1,2,3\ldots$			
$\lambda_{film} = \frac{\lambda_{vacuum}}{n}$			
$2t = \left(m + \frac{1}{2}\right)\lambda_{film} \ (m = 0,1,2,\ldots)$			
$2t = m\lambda_{film} \ (m = 0,1,2\ldots)$			
$\sin\theta = m\frac{\lambda}{a} \quad m = \pm1,\pm2,\pm3\ldots$			
$I = I_0\cos^2\theta$			
$\tan\theta_B = \frac{n_2}{n_1}$			