PS 161 Exam 2 Formulas

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$$a_c = \frac{v^2}{r} \tag{1}$$

$$f_s = \mu_s N \tag{2}$$

$$f_k = \mu_k N \tag{3}$$

$$a_{\parallel} = g(\sin\theta - \mu_k \cos\theta) \quad \text{box sliding down slope} \tag{4}$$

$$F = ma \tag{5}$$