Data for Laboratory 2:
Applications of Static Equilibrium to Models

** You require a ruler, protractor, calculator & graph paper (provided in manual) for this lab. **

All hooked, slotted or otherwise 'pre-determined' lab masses are assumed to be good to the nearest gram, e.g. 200. grams. Mass measurements made using the *triple beam balance* are good to the nearest *tenth* of a gram, e.g. 200.0 g.

**** Please use the data below for this lab rather than any provided in the lab manual. ****

$m_{load\,on\,hand} = 700.$ g

Overall length L of the stretched spring: $L = L_f - L_i = 20.1 - 10.0 = ?$ cm

Vertical size Δy of the stretched spring: $\Delta y = y_f - y_i = 37.2 - 30.0 = ?$ cm

$m_{arm+hand} = 403.1$ g

$m_{stretch} = 5550.$ g + 1.000 kg (hanger)