WAME - SHREYAS SRINTWASA DLAYER SUY SSRIMIVA PH 2221-PS INVESTIGATION -3 03/26/2012 LAB Shope of sin(0,) us. sin(0,) graps 0.45399-0.1588 Shoto = aports - 1, 159 : M, fround enfermentally is 1.159. But, inden of refraction of mater is 1.33 1. deflacement = 11.33-1.1591 × 100 0.171 x100= 0,137 X100 1.2449 = 13.7.1. difference Experimentally found critical angle = 48.1° Predicted critical cargle using index sof respection fromded by textbook = tout = sin-1 (m2) = bin -1 (1.00)

1. difference = [41.75-41.1] × 100 = 0.65 ×100 = 0,013 ×(00 = 1.3.1. difference