Homework #4

Read Taylor Chapter 5.1-5.5

Do Taylor problems: 4.16, 4.28, 5.18, 5.24

Extra problem: We have three numbers: \(a=3.41\pm0.52\) cm; \(b=2.23\pm0.35\) cm; \(c=6.71\pm0.83\) cm.

Calculate \(r=a\cdot c/b\) and its uncertainty \(\delta r\). Also calculate \(s=a + b - c\) and its uncertainty \(\delta s\). Assume that the uncertainties in \(a\), \(b\) and \(c\) are independent.