

Distance from corpusale to center of ring=91.5 we'll to everything in mm

Distance from corpusche to center of bead at $-40^{\circ} = V_{-40^{\circ}} = 64.5 e$ Angle of force of bead at -40° relative to horizontal = $0_{40^{\circ}} = 29^{\circ}$ Cosine of this angle = $\cos 0_{40^{\circ}} = 0.875$ Product of $\cos 0_{-40^{\circ}} \cdot \frac{1}{V_{-40}} = 0.0136$

the borded work has to be done for all 36 beads. However, the bead at -40° has the same value as the one at +40° (etcetera), so there are only 19 measurements to do.