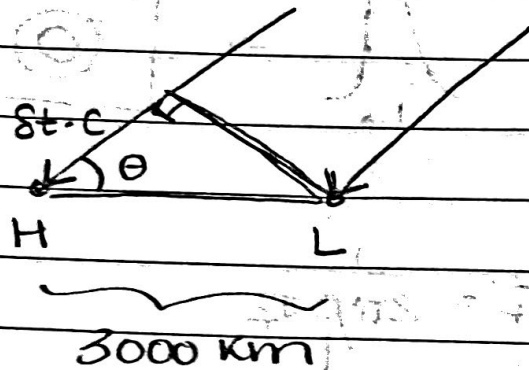


f)

Given the time difference of the GW to the two detectors (0.007 sec) from LIGO, the angular difference can be approximated using:



small

$$\cos \theta = \frac{(st \cdot c)}{3000 \text{ km}}$$

$$\Delta \theta = 44^\circ$$

I think something is missing here because this is larger than expected.