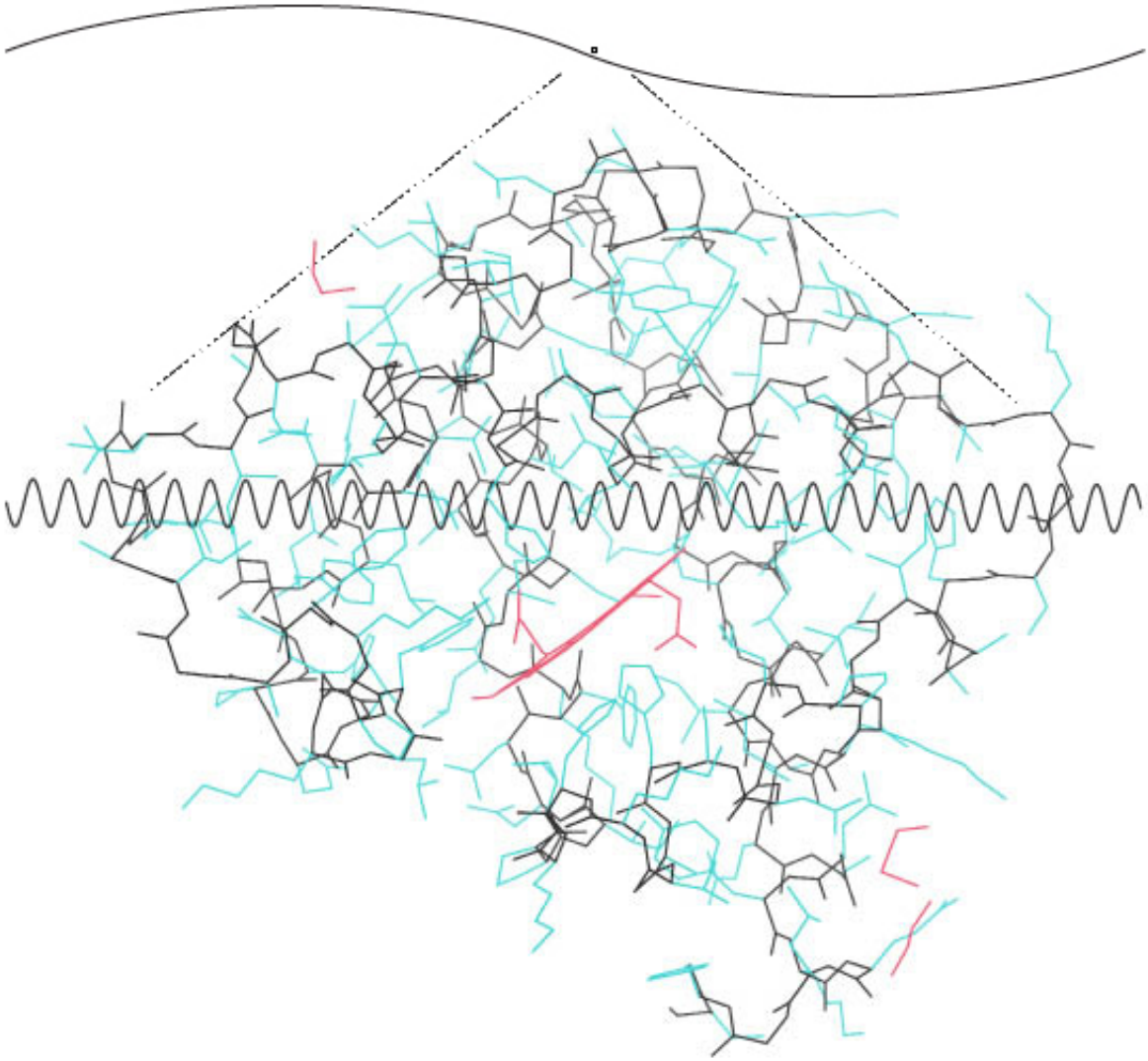
Match of wavelength to features we want to see:

x-ray: ~1 Å, atom: ~3Å, protein molecule: ~50Å, (bonded atoms: 1.5Å apart)
Green light: 5000 Å, scale to 5meters = 5000 mm , scaled protein: 50mm = 5cm, (bonded atoms: 1.5 mm)
→ Draw 1 wavelength across both boards (e.g. of 147 Nanaline Duke bldg.), (Note change of phase along wave)

look at two 5 cm patchs "molecules": (or two neighboring 3mm patches "atoms"), myoglobin would be about 5cm in diameter.
even if they would scatter this light, could we tell we had two of them?
5 meters scaled green light wave with scaled molecule; expanded to
32 cycles of 1.5Å across the diameter of myoglobin:



Show here Myoglobin 0.9Å structure with electron density
→ 2NRL.kin with 2nrl.omap in KiNG