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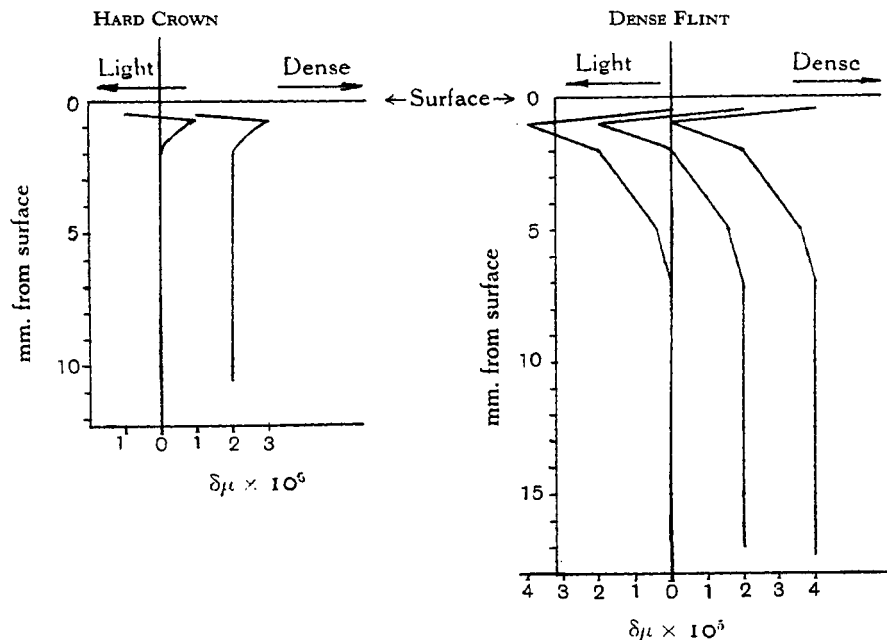
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VARIATION IN REFRACTIVE INDEX NEAR THE SURFACES OF GLASS MELTS

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Two pieces of glass from the top of each melt, one of dense flint, the other hard crown, were polished on two parallel faces normal to the surface to a thickness of 13 mm., and examined on the interferometer. The surface which in the crucible was exposed to the air was untouched. The interference patterns are shown graphically, the variation of refractive index indicated by bands of mercury green light being plotted against millimetres from the surface.



Deviation of refractive index from normal. One band corresponds to a difference of refractive index of 2×10^{-5} .

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