

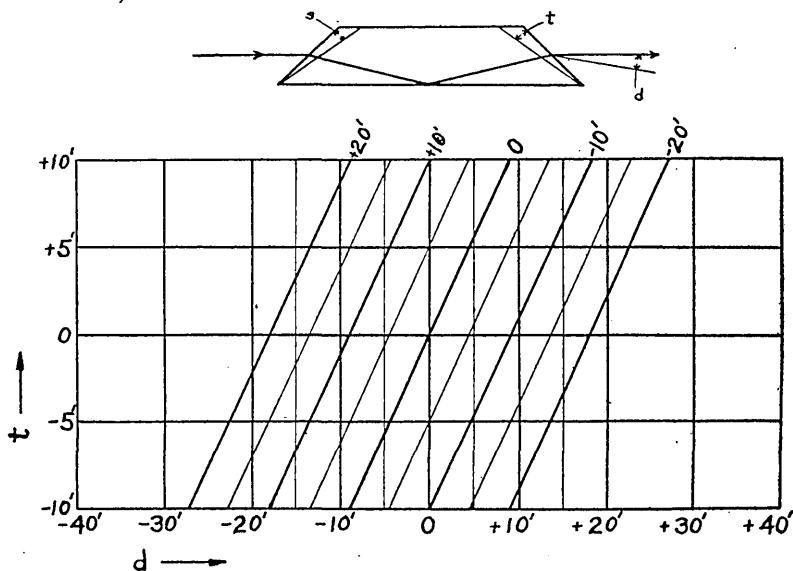
# NOTE ON MR. F. E. WRIGHT'S ARTICLE FOR DETERMINING PRISM ANGLE ERRORS

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In Mr. Wright's article, published in this *Journal*,<sup>1</sup> the writer finds in the curves for determining deviations caused by a Dove erecting prism with incorrect axial angles, a difference from similar curves which he had previously constructed for the same purpose.

It is well known that an erecting prism can be made with base angles other than  $45^\circ$ ; and if the base angles are equal, the prism will function correctly, the only difference being in the aperture ratio of the prism: length / height.<sup>2</sup> Translated into Mr. Wright's notation this means that equal changes in  $s$  and  $t$  will produce zero deviation of the emergent from the path of the incident ray.

Therefore the writer would reconstruct the diagonals; so that values of  $s$  will fall on *equal* values of  $t$ , corresponding to zero deviation,  $d$ .



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<sup>1</sup> March, 1921, p. 200.

<sup>2</sup> Trans. Opt. Soc., 21, 5, p. 217, 1920.