

## B.S.T.J. BRIEFS

### Correction Concerning Reflecting Objects in Coherent Illumination

By L. H. ENLOE

(Manuscript received January 31, 1969.)

In a recent paper, the author analyzed and discussed the noise-like structure in images of diffuse objects in coherent illumination.\* While the author's interest and discussion concerned objects viewed in *reflection*, a model illustrating a diffuse object was unfortunately shown in Fig. 1 as a granular transparency viewed in *transmission*. It turns out that the analysis presented is not sufficiently general to cover transparencies viewed in transmission. The object *must* be viewed in reflection because:

- (i) The direct beam, that is, the unscattered component, is not included in the fundamental equation (1).
- (ii) The relative phase angles  $\theta_i$  of the individual scatterers in equation (1) are not unqualifiedly random in the forward scattering direction.

I would like to thank D. Berkley for bringing this to my attention.

---

\* Enloe, L. H., "Noise-Like Structure in the Image of Diffusely Reflecting Objects in Coherent Illumination," B.S.T.J., 46, No. 7 (September 1967), pp. 1479-1491.

