



HYDROLOGIC OPTICS

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We owe to Ambarzumian the first introduction of a principle of invariance in the treatment of transfer problems.

S. Chandrasekhar
Ref. [43]

These ideas were further developed and extensively generalized by Chandrasekhar.

R.E. Bellman, R.E. Kalaba
M.C. Prestrud Ref. [15]

In three successive generalizations the theory ascended from Ambarzumian's concept of the invariance of a visual impression of brightness up to the concept of the invariance of a *set of radiance functions* under the application of each member of a *set of transformations* associated with a given *set of optical media*.

Ref. [251], p. 167