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DESCRIPTORS: \*Photographic emulsions, Photographic  
chemicals, High speed photography, Processing.

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layer, as well as to increase the emulsion speed to the  
same level as obtained with the emulsion developed  
without support, alkali solutions were added to the  
emulsion before the coating to increase the pH to  
6.5 - 6.7. Uniformity of tracks in the depth of the  
emulsion layer was entirely satisfactory. The emulsion  
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DESCRIPTORS: \*Light, Light transmission, Re-  
flection, Scattering, Diffusion, Distribution,  
Mathematical analysis, Differential equations.

The radiation distribution in a plane-parallel layer is  
studied, proceeding from the transfer equation. If it  
is assumed that the radiation fluxes, which are dis-  
tributed in a medium are completely diffused, this  
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