take journer to anisform of these equations. By convolution property and linearity

G= F1 + H2F2 - 1 G = H, F, + F, -2

multiply 2 by H2 and subtract:

back substituting we get

 $F_2 = G_2 - H_1G_1$ $I - H_1H_2$

clearly f = 3 (F,) (invoice fourier transform)

 $f_{c} = J^{-1} \left(\frac{G_{c} - H_{2}G_{2}}{I - H_{c}H_{2}} \right)$

similarly

 $f_2 = \exists^{-1} \left(\frac{G_2 - H_1 G_1}{1 - H_1 H_2} \right)$

Problem about formula 8

. , .

In expressions of both F, and F, the denominator is 1-H, H₂.

This means that the fourier transform of the images of the original scene blows up if H, H₂ = 1, which is clearly incorrect, the since they are by themselves, and makes.

The condition H₁H₂ = 1 md means that H₂ is
the inverse filter of H₁

Intuitively this could (approximately) be the case in
a real system, since blurring the reflection in
one case and blurring the scene outside as in
another seem to be I like inverse operations.

1) The camera hardware is such that this inheritive inversion assumption is true, then our formulae are rendered useless.