Given g = h + f; g, g, have given.

-) G = H f;

if H + i + 0 $f = \frac{f}{H}$ =) $f = f'(\frac{G}{H})$ now as his a quadrat; Hwill be a low pass of they, hence some if the Hybre frequencies if H will be low question, causing f to blowup.

Now for 20;

gasharf and dyshyt

=) Gx = Mx.F ; Gy= My.F.

if the and thy \$0 => fix = fr ; Fiy = F

-) $g_{x} = F'\left(\frac{F}{H_{R}}\right)$ and $g_{7} = F'\left(\frac{F}{H_{Y}}\right)$

Here also we face the same problem as his andhy