$$mask_{j,k}^{d,new} \equiv w_{j,k}^{d} \times mask_{j,k}^{d,old} = M_s \times mask_{j,k}^{d,old}$$

$$= \frac{\left(S_{xx,j,k} - S_{yy,j,k}\right)^2 + 4S_{xy,j,k}^2}{\left(S_{xx,j,k} + S_{yy,j,k}\right)^2} \times mask_{j,k}^{d,old}$$