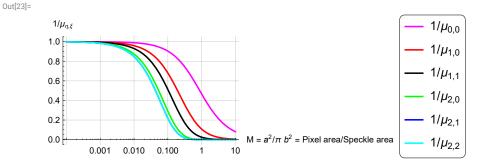
MuInvFactor [m\_, 
$$\eta_{-}$$
] :=  $\left( \text{Exp} \left[ -\pi \, \text{m} \, (\eta - 1)^2 \right] - 2 \, \text{Exp} \left[ -\pi \, \text{m} \, \eta^2 \right] + \text{Exp} \left[ -\pi \, \text{m} \, (\eta + 1)^2 \right] + \left[ \text{exponencial} \right] \right)$ 

$$\pi \, \sqrt{\text{m}} \, \left( (\eta - 1) \, \text{Erf} \left[ \sqrt{\pi \, \text{m}} \, (\eta - 1) \right] - 2 \, \eta \, \text{Erf} \left[ \sqrt{\pi \, \text{m}} \, \eta \right] + (\eta + 1) \, \text{Erf} \left[ \sqrt{\pi \, \text{m}} \, (\eta + 1) \right] \right)$$

$$\text{MuInv} \left[ \text{m}_{-}, \, \eta_{-}, \, \xi_{-} \right] := \frac{1}{4 \, \pi^2 \, \text{m}^2} \, \text{MuInvFactor} \left[ \text{m}_{+}, \, \eta_{-} \right] \, * \, \text{MuInvFactor} \left[ \text{m}_{+}, \, \xi_{-} \right]$$



```
In[5]:=
       %contraste espacial
       % 2p+1≤sqrt(N)
                     valor numérico
       % M=area pixel/area speckle
       *)
       Ks[m_, n_, p_] :=
        Module {lateral, diagonal, knight, eta, xi, correccion, central, RETURN},
         lateral = diagonal = knight = 0;
         central = MuInv[m, 0, 0];
         If n > 1,
          For eta = 1, eta ≤ p, eta++, para cada
            lateral = lateral + (\sqrt{n} - eta) \sqrt{n} MuInv[m, eta, 0];
            diagonal = diagonal + \left(\sqrt{n} - eta\right)^2 MuInv[m, eta, eta];
           ; (*end for p*)
           lateral = 4 * lateral;
           diagonal = 4 * diagonal;
          For xi = 1, xi \le (p-1), xi++, para cada
            For eta = xi + 1, eta \leq p, eta ++,
             knight = knight + (\sqrt{n} - eta) (\sqrt{n} - xi) MuInv[m, eta, xi];
            (*fin del for eta*)
           ; (*fin del for xi*)
           knight = 8 knight;
           correccion = lateral + diagonal + knight;
           correccion = \frac{\text{correccion}}{\text{n (n - 1)}};
           , (*else*)
           correccion = 0;
         |; (*fin if*)
         RETURN = central - correccion;
         RETURN = \sqrt{RETURN}
```

Out[17]=

