Spatially Varying Enhancement

\[ g_m(x, y) = T_r[f(x, y)] \]

\[ g_r(x, y) = \sqrt{T_r\left[ (f(x, y) - g_m(x, y))^2 \right]} \]

\[ g(x, y) = \left( \frac{f(x, y) - g_m(x, y)}{10 + g_r(x, y)} \right)^{100} + 128 \]