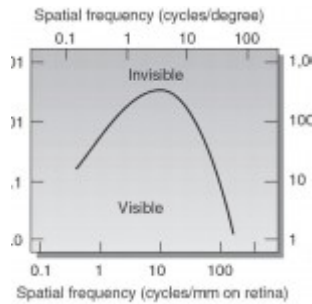


Referencias CSF

[latexpage]

CSFs



Referencias a distintos modelos matemáticos de la Contrast Sensitivity Function.

Mannos_Sakrison_1974

$$H(f) = 2.6(0.0192+0.114f)e^{- (0.114f)^{1.1}}$$

Modelo usado en :

Rushmeier_etal_1995

Gaddipati_Machiraju_Yagel_1997

Taubman_Marcellin_2002

Moumkine_tamtaoui_ouahman_2006

Bajit_Nahid_Tamtaoui_Bouyakhf_2007a

Nill_1985

$$H(f) = (0.2 + 0.45f) e^{-0.18f}$$

Ngan_Leong_Singh_1989

$$H(f) = (0.31+0.69f) e^{-0.29f}$$

Chitprasert_Rao_1990

$$H(f) = 0.246(0.1+0.25f)e^{-0.25f}$$

Modelo usado en:

Miloslavski_Ho_1998,

Chandler_Hemami_2005

Realmente proporcionan no la curva CSF sino los valores de threshold para su modelo.

$$CT(s) = 22.4 \cdot f_s^{0.28} \cdot \log_{10} f_s^{-0.15} \cdot 10^{-3}$$

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@ARTICLE{57501,
author={Chitprasert, B. and Rao, K.R.},
journal={Communications, IEEE Transactions on},
title={Human visual weighted progressive image transmission},
year={1990},
month={Jul},
volume={38},
number={7},
pages={1040-1044},
keywords={encoding;picture processing;visual communication;DCT
domain;discrete cosine transform;hierarchical image
buildup;human visual system;image coding;modulation transfer
function;progressive image transmission;transform
coding;weighted variances;Discrete cosine
transforms;Humans;Image coding;Image communication;Image
reconstruction;Magnetic resonance imaging;Picture archiving
and communication systems;Transfer functions;Transform
coding;Visual system},
doi={10.1109/26.57501},
ISSN={0090-6778},}
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