

# Computação Visual

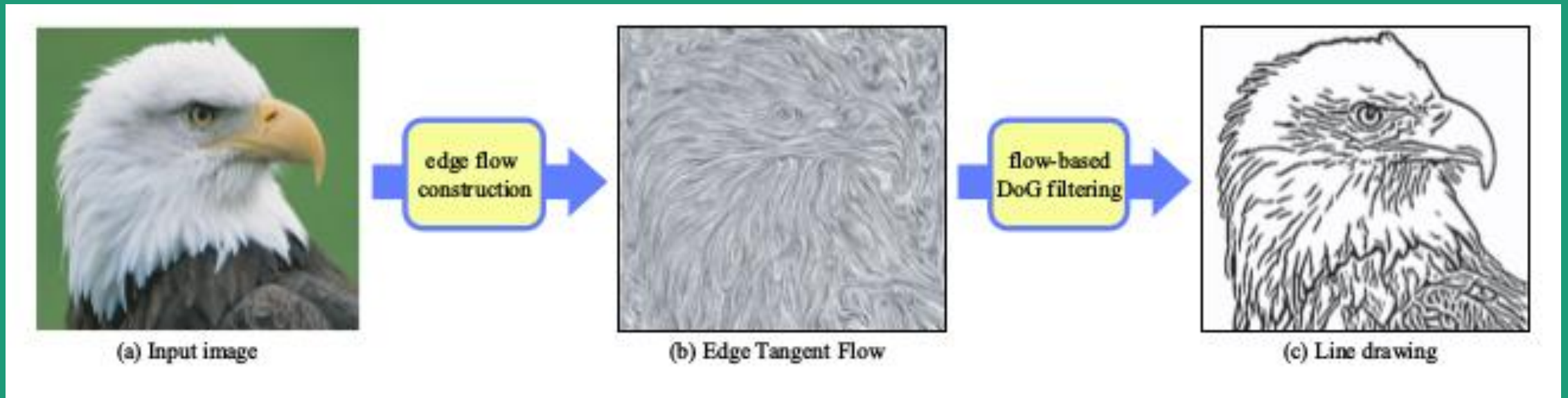
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Universidade Federal da Bahia

# Coherent Line Drawing

Kang, Henry, Seungyong Lee, and Charles K. Chui. "Coherent line drawing." *Proceedings of the 5th international symposium on Non-photorealistic animation and rendering*. ACM, 2007.

# Coherent Line Drawing



Filtro para amenizar ruidos e intensificar linhas coerentes.

# Parâmetros

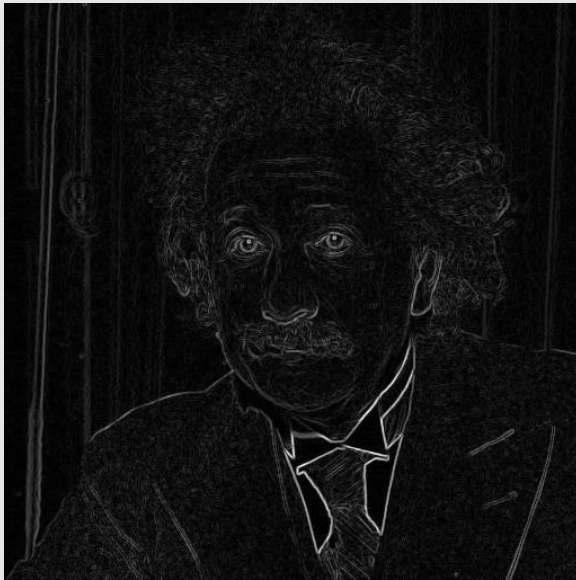
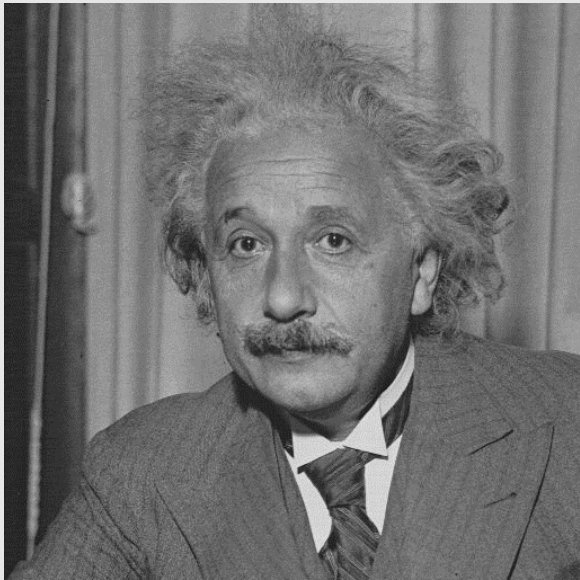
## Edge Tangent Flow - **ETF**

int kernel\_radius = 5 // Raio do Kernel para Edge Tangent Flow  
int etf\_iterations = 5 // Iterações para Edge Tangent Flow

## Flow Oriented Difference of Gaussian - **FDOG**

double p\_s = 0.995 // DoG,  $G_c - p_s * G_s$   
double sigma\_c = 1.0 // DoG,  $\sigma_s = 1.6 * \sigma_c$   
double sigma\_m = 3.0 // Suavização ao longo da curva  
double thrs = 0.5 // Limiar de binarização  
double delta\_m = 1.0 // Tamanho do passo na direção do ETF  
double delta\_n = 1.0 // Tamanho do passo paralelo à ETF

Einstein ( $p_s = 0.997$ )



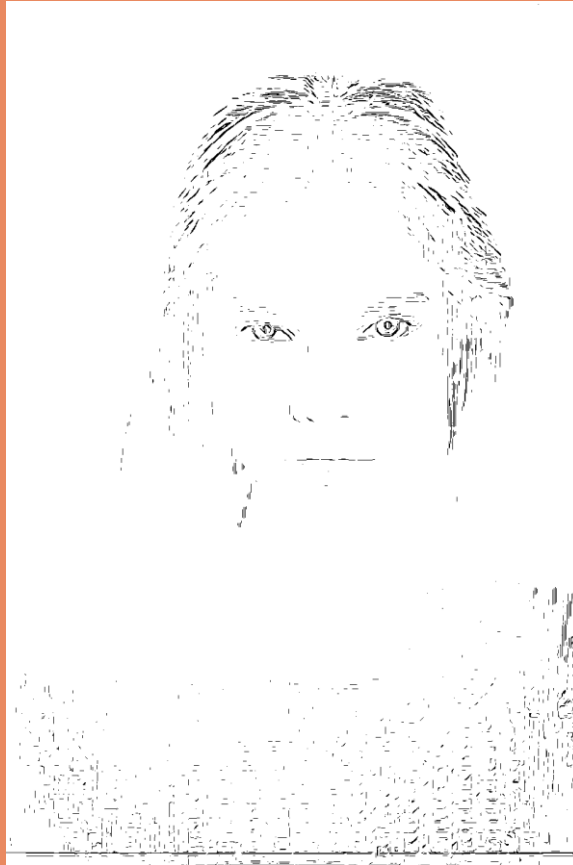


# Einstein - Iterações em ETF





# Palvin - Resoluções de Imagem



960x1448



480x764

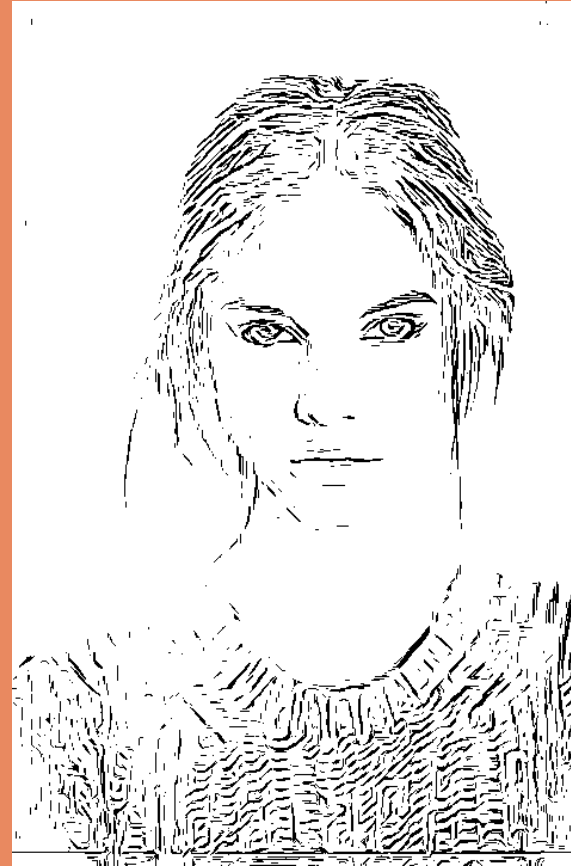


144x217

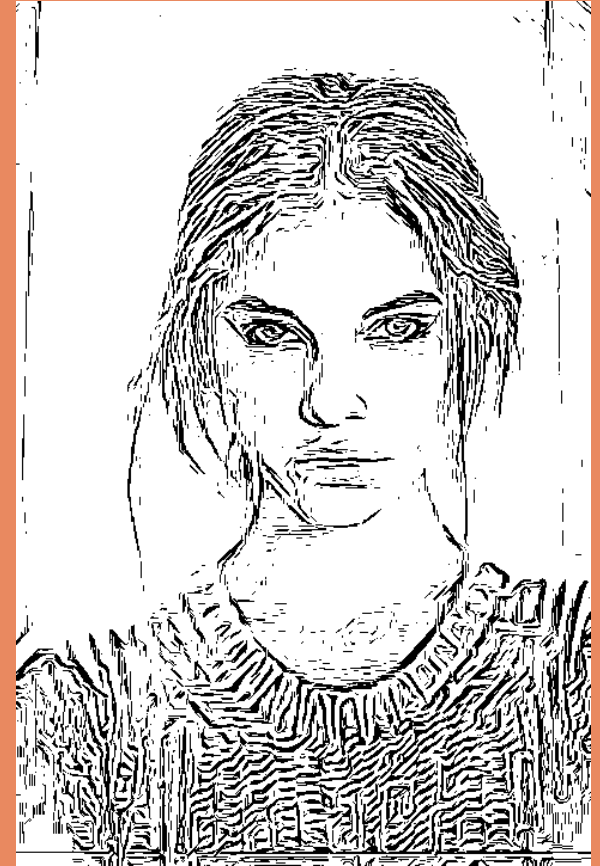
# Palvin - Parâmetro $p_s$



0.995



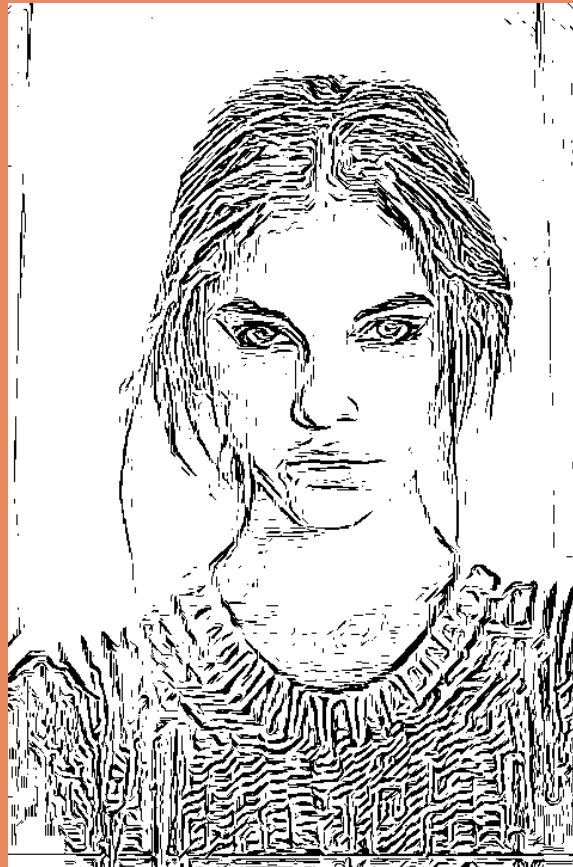
0.997



0.999



# Palvin - Parâmetro Sigma\_c

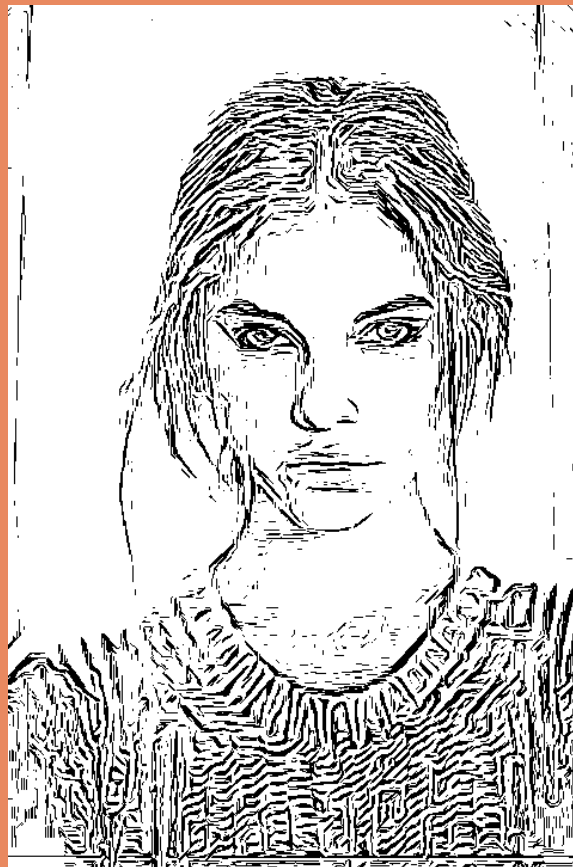


1.0

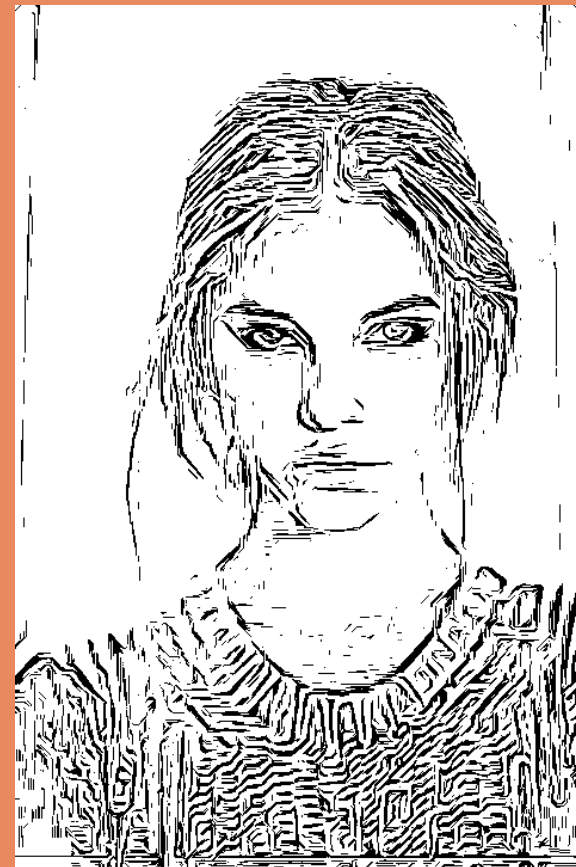


2.0

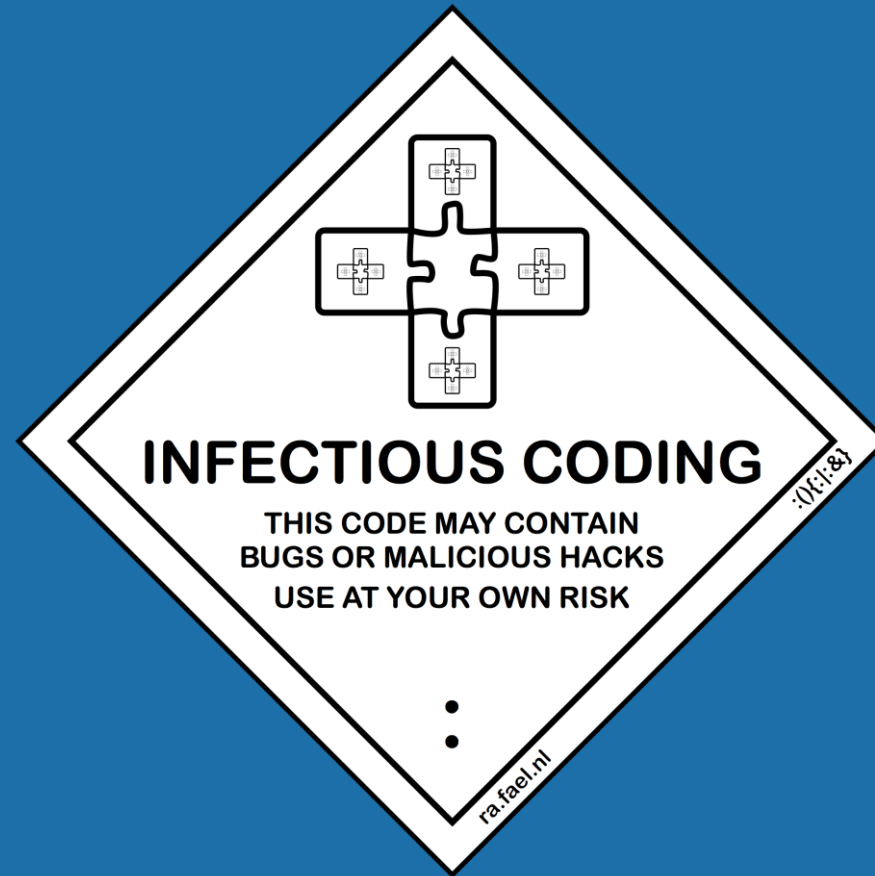
# Palvin - Parâmetro Sigma\_m



3.0



5.0



<https://github.com/tibaes/coherentLine.git>

