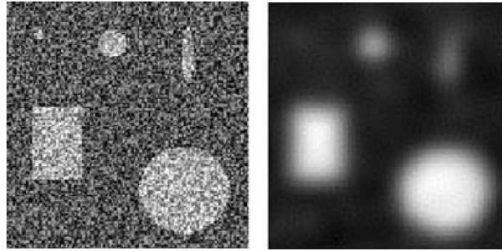


- *Peter A. Markowich: Applied Partial Differential Equations. A Visual Approach. Springer, 2006.*
Vplyv difúzie:



Čo chceme:

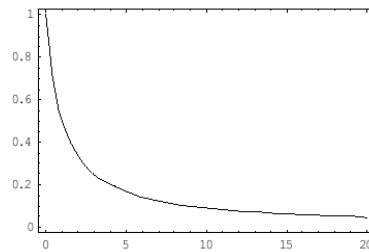
- zachovať hrany
- zhladiť zvyšok oblasti

Ako to dosiahnuť: difúzny koeficient závislý od veľkosti gradientu.

- *J. Malik, P. Perona: Scale Space and Edge Detection using Anisotropic Diffusion, IEEE Trans. Patt. Anal. Mach. Intell., Vol. 12, pp. 629-639, 1990.*

$$u_t = \operatorname{div} (g(|\operatorname{grad}(u)|)\operatorname{grad}(u))$$

Funkcia g :



- J.Kačur, K.Mikula: *Slow and fast diffusion effects in image processing. Computing and Visualization in Science, Vol.3, No.4, 185-195, 2001.*

