Support Vector Machines
EECE 580B

Lecture 15

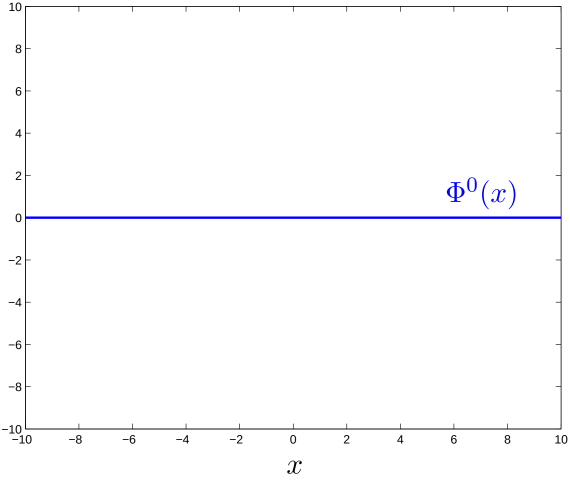
March 18, 2010

Jan Kodovský, Jessica Fridrich

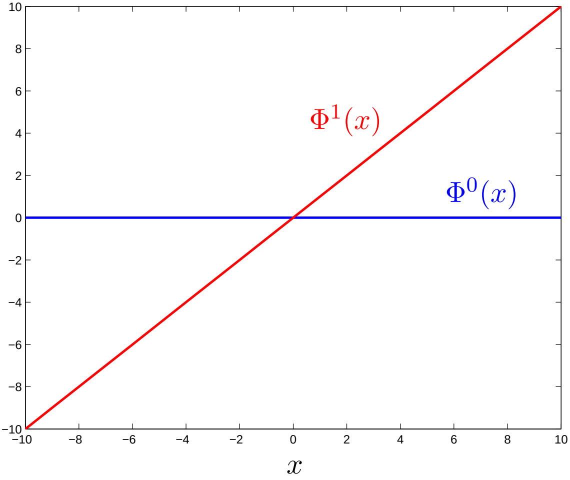
BINGHAMTON UNIVERSITY

State University of New York

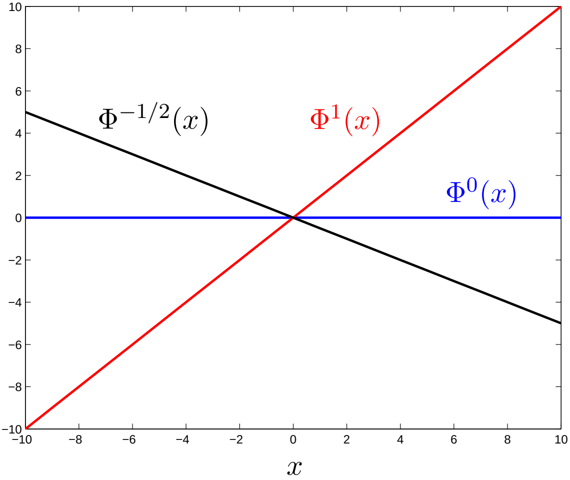
Linear kernel - 1D



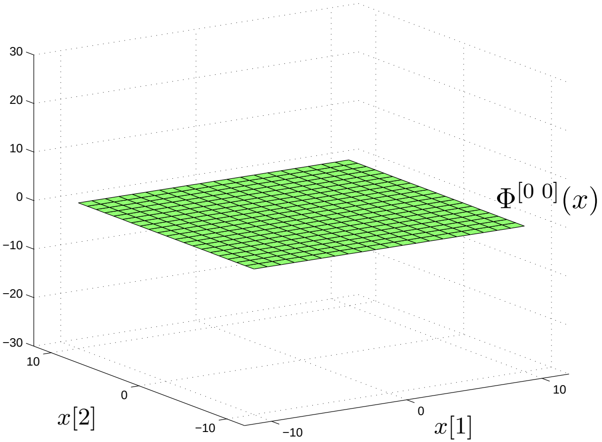
Linear kernel - 1D



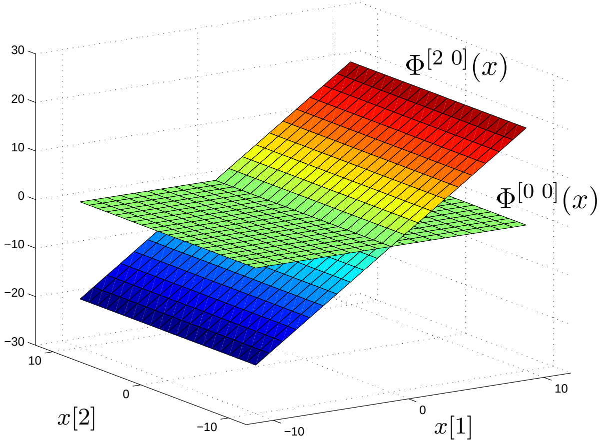
Linear kernel - 1D



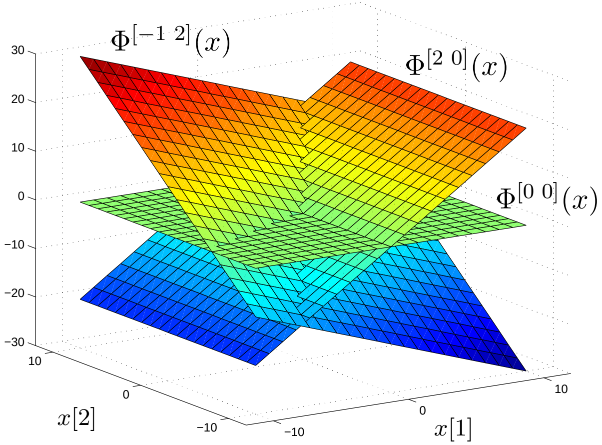
Linear kernel - 2D



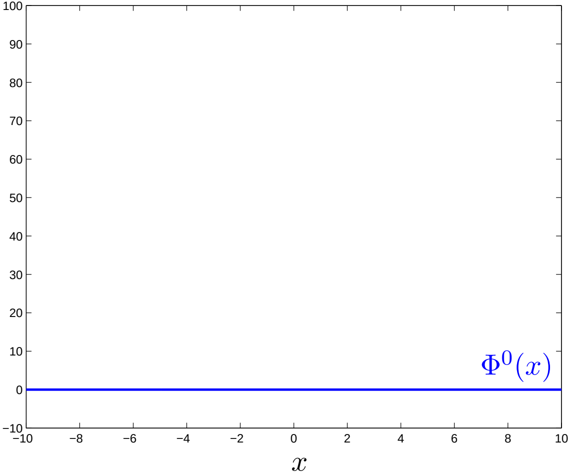
Linear kernel - 2D



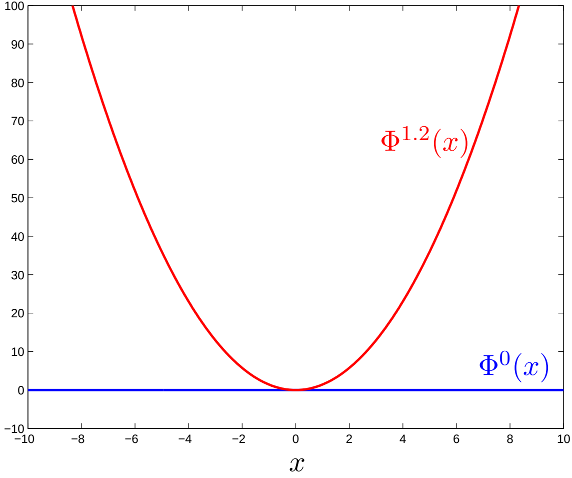
Linear kernel - 2D



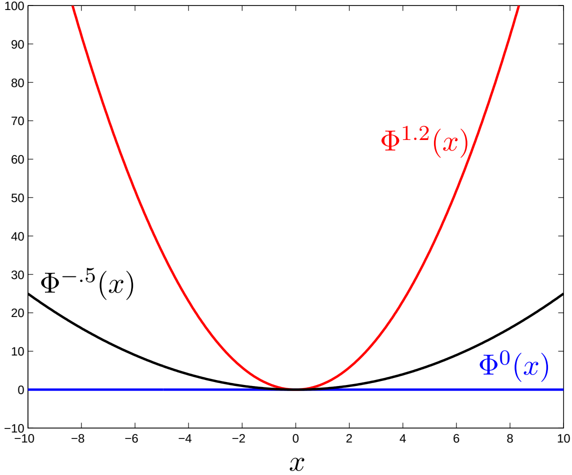
Quadratic (homogeneous) kernel - 1D



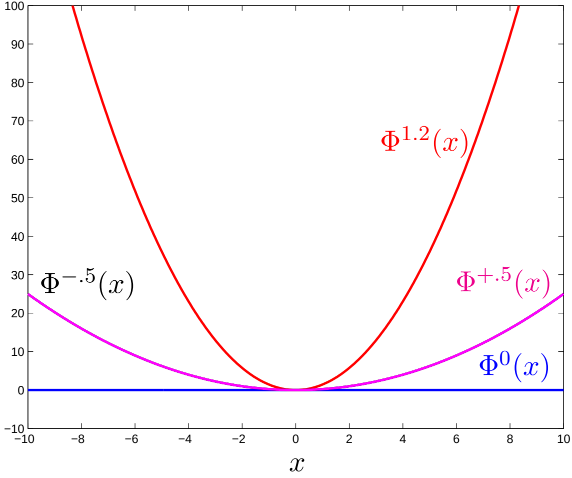
Quadratic (homogeneous) kernel - 1D



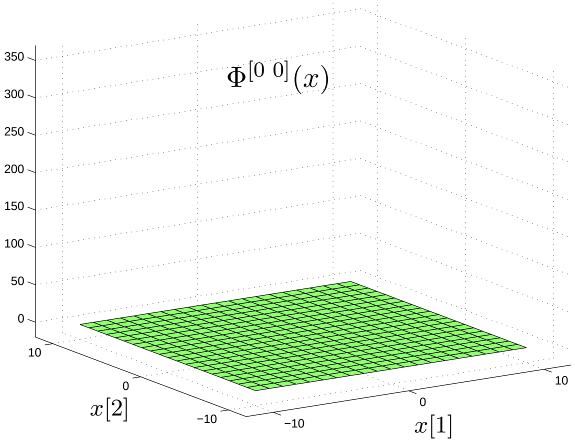
Quadratic (homogeneous) kernel - 1D



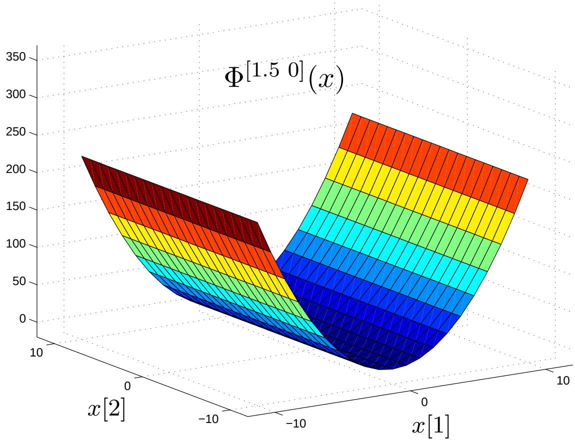
Quadratic (homogeneous) kernel - 1D



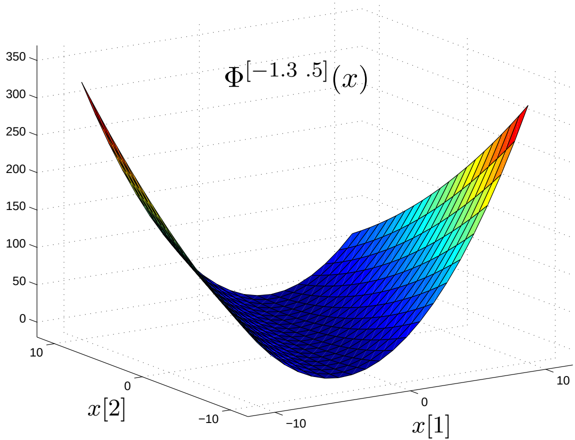
Quadratic (homogeneous) kernel - 2D



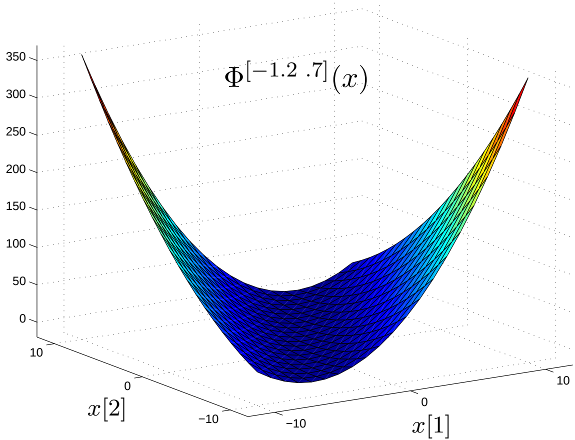
Quadratic (homogeneous) kernel - 2D



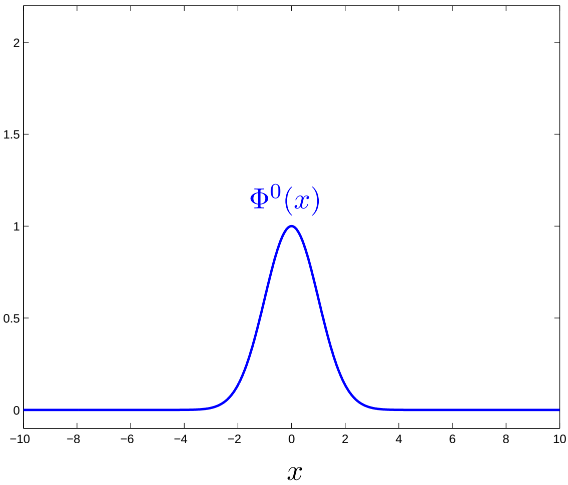
Quadratic (homogeneous) kernel - 2D



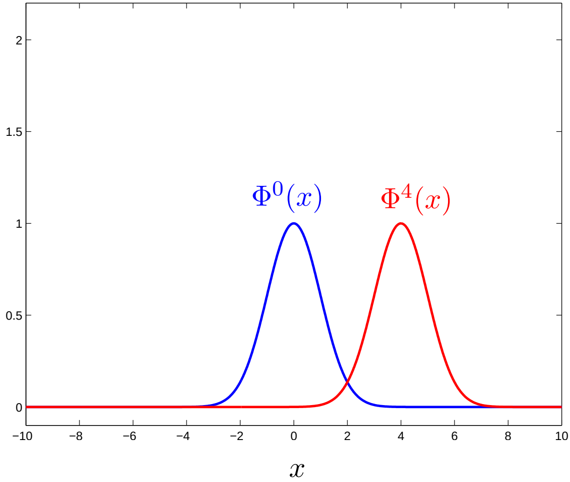
Quadratic (homogeneous) kernel - 2D



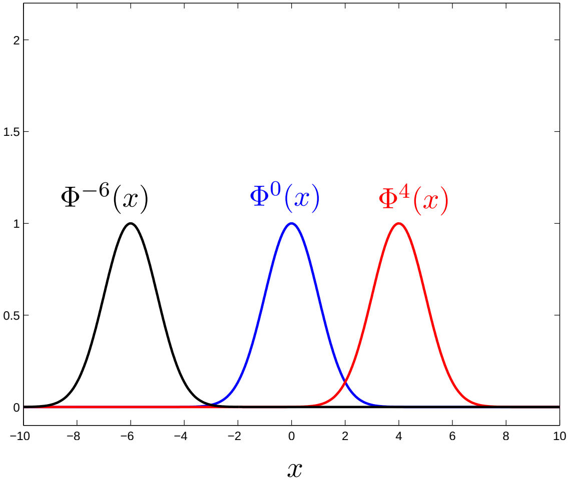
Gaussian kernel - 1D



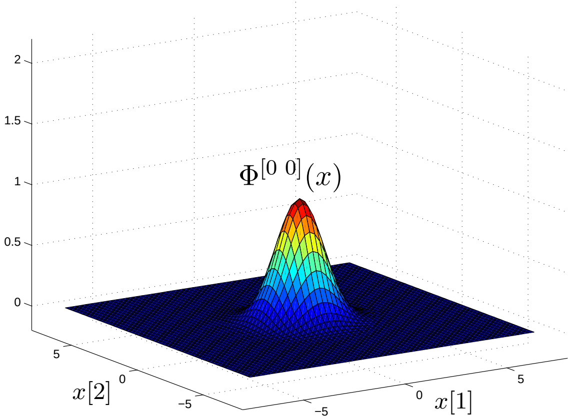
Gaussian kernel - 1D



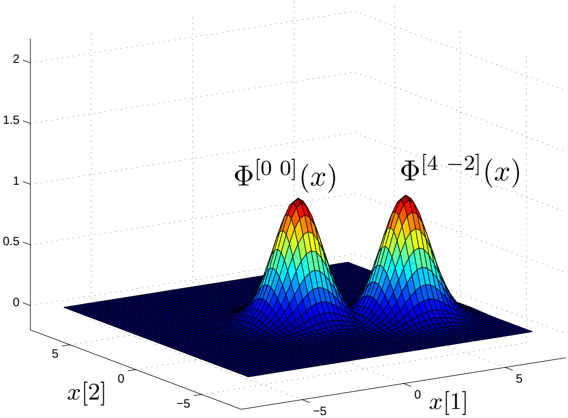
Gaussian kernel - 1D



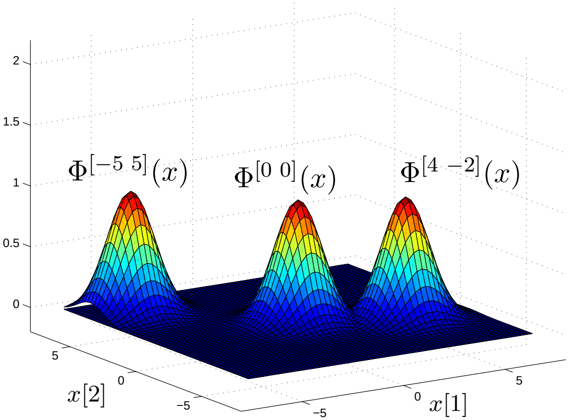
Gaussian kernel - 2D



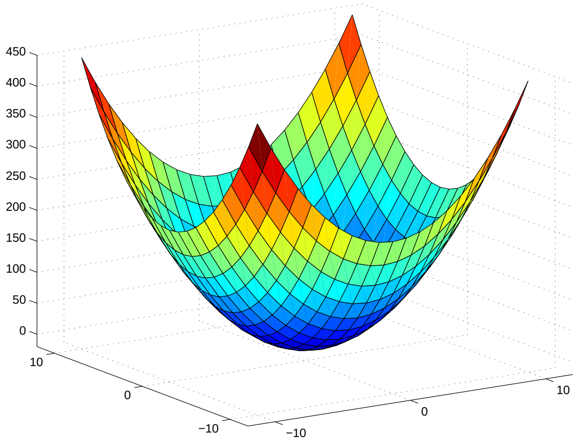
Gaussian kernel - 2D



Gaussian kernel - 2D



Quadratic (homogeneous) kernel - 2D



Gaussian kernel - 2D