



(4, p = 4, p) Lp(b, Bo, K)= 1-11p112- 5 xiyixiB - 5 xiyip0+ 5 xo 9 when the starting values are near zero of will be linear. A when the weight on creases it will become a so. When the weight are page it will produce poor rollition. When the starting values are zerojt produce zero od obstanda wo wat denivative z make portect symmetry z the algorithm (x70,9=0) (b) When the Atanting values of weight are very small bears the operating function part of sigmoid function will be linear the model will collapse. for Handantzed ilps, the Marting values can be on the Differentiating spenish respect to per equating to o. 4 Ip (p, Po, xi) = 1 ||p|| = 5 No; |y; (xip + po)-1] のはなるがはいいないというできます。 Eleventiating to with verpect to bo 8tp = 1xx B - 2 dili n = 0 3/2 = 2 x1 y = 0 range 1+0.7, -0.7].

6. $k(x, x') = (1 + x_1 x')^2 = (1 + x^T x')^2$ $x^T x' = x_1 x_1' + x_2 x^2$ $k(x, x') = (1 + x_1 x'_1 + x_2 x^2)^2$ $k(x, x') = (1 + x_1 x'_1 + x_2 x^2)^2$ $k(x, x') = (1 + x_1 x'_1 + x_2 x^2)^2$ $k(x, x') = (1 + 2x_1 x'_1 + 2x_2 x^2 + (x_1 x'_1)^2 + 2x_1 x'_1 x^2 x^2 + (x_1 x'_1)^2 + (x_1 x'$

The components of acx) are $h(x_1)=1$, $h(x_2)=1/2K$, $h(x_3)=1/2K$, $h(x_3)=1/2$