11 October 2020 17:37 SUPPORT VECTOR MACHINES Valdmir decision boundary Vaprik +: SPAM -: Leg. email Support - LINE - Many lines - which is but? wxi +b = 0 w.ū >c +ye - Ve x+: (+ve class) w. x+ + b (1) 1 class) $w \cdot \chi + b \leq -1$ 2_: (- ve class) (2) if the class if the class Mattonatial yi -ve class 74: (10.2; +b) [tve class] ≥ 1 >yi (Nxi+b) € -1 -7 yi(W·xi +b) ≥ 1 : Compact Represt (3) y: (w·x; +b) -1 =0 : xi lies on dotted

Didk =
$$(x_4 - x_-)$$
, we will be the first extension of funt $x_1 = x_2$.

Local extension of funt $x_1 = x_2$.

Local extension of funt $x_1 = x_2$.

Local extension of funt $x_2 = x_3$.

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