7
PAWS PAWS
unlabeled dataset D = (vi)i = [n, N]
Supportset S= {(xi yi) i + [m]} m<< N
Leverage both D & S Trechaining D. 3) turce??
Anchor SWAY, BOYL Prositive on
Anchor Zi & D > wii minimize cross ontropy between them. positive
Detailed: [x \in 12 x Hxw) of view Anchor
hard by ER (3xHxw) = 115chm
betailed: $x \in \mathbb{R}$
1. one her
fooder: 12 x Hx w fo
$z \in \mathbb{R}$
ete Pixd
$z \in \mathbb{R}^{s \times d}$ and makes, $d(z_i, z_i)$
Similaraty Classifier Ty(=1, =) = 5 (=1, =sp) 9; (=1, =sp) 9; (=1, =sp) 9;
and the transfer of the contract of the contra

similarity Matrices: d(a,b) = exp (aTb. CHall 1611)

1: T (21; 3) = F (2; 25) / softmax prob.

Sharpering function $[P(P)]:=\frac{[P_i]_{K}}{[P_i]_{K}}$ is k=1...K J=1 is weights charging $[P_i]_{j}$ where, $P_i \in [0,1]_{K}$

overall objective, for encoder to minimize

Theoretical bound:

Assupphion: [Ralanced dass] { torget sharponing & not uniform).

trop: Non-collapsing representation. It responsation to the collapse to the test

then | To to (pt, 1) |>0; greadient à parrière?)

Invot: if $d(z_1, z) = d(z_1, z_2)$ $= \begin{cases} P: T(z, S) = \frac{1}{2} \sum_{i,j} y_i \\ y_i = \sum_{i,j} Puniform \end{cases}$

pt not uniform then, 117 H (pt, p) 11>0

1 notor (viifora)