OP Lifted stoneture. Lifted Structure

for what neg passy.

Embedded feature vector XIR to dass no

Pairwise Density materia  $B^2 = XT + 1XT - 2XX$ Where leads [Efficient computation]

where  $D_{ij} = \|f(X_i) - f(X_j)\|_2^2$ simple compute.

using upper bound, the loss function, should be as dess as provide as so provide as so  $\vec{J}$ ;  $\vec{J} = log \left\{ \sum_{i,j} e^{p_i} p_j \left( \vec{J} - \vec{D}_i \right) \right\} + \sum_{i,j} e^{p_i} p_j \left( \vec{J} - \vec{D}_i \right) + p_i \vec{J}$   $\vec{J} = \frac{1}{2|p|} \sum_{i,j} e^{p_i} p_i \left( \vec{J} - \vec{D}_i \right) + p_i \vec{J}$   $\vec{J} = \frac{1}{2|p|} \sum_{i,j} e^{p_i} p_i \left( \vec{J} - \vec{J}_i \right) + p_i \vec{J}$   $\vec{J} = \frac{1}{2|p|} \sum_{i,j} e^{p_i} p_i \left( \vec{J} - \vec{J}_i \right) + p_i \vec{J}$