UAT to DeepONet

Saturday, June 25, 2022

8:39 PM

$$(\mathcal{L}_{\omega})(y) - \sum_{k=1}^{r} \sum_{i=1}^{r} C_{i}^{k} \sigma \left(\sum_{i=1}^{r} U(X_{i}) + O_{i}^{k} \right) \sigma (W_{k} \circ y + S_{k})$$

the retwork:

$$\sum_{k=1}^{r} \sum_{i=1}^{r} c_{i}^{k} \sigma \left(\sum_{j=1}^{r} U(X_{j}) + \sigma_{i}^{k} \right)$$

One layer within branch

all layers within one branch perwork

"frunk" network learning association for output location y and larbelled Auta

Several branch networks, multiple U

(unstacked)

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Inner product sports on or subserver authority