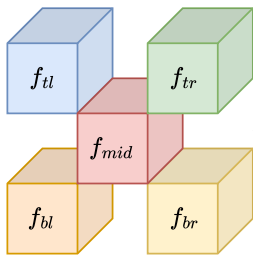
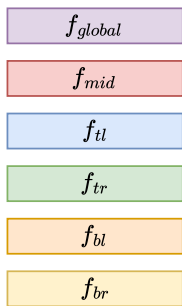


Local Module

Local Feature Maps

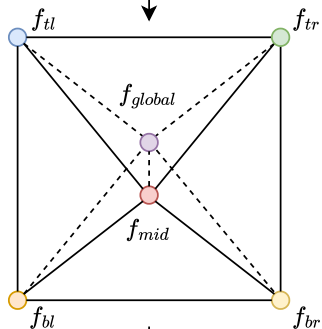


Pool



Feature Stack

Spatial Structural Graph Layout



Graph Convolutional Network

Pool

Global Module

Batch of Triplets

Siamese Feature Network

f_{global}

Pool

Classifier

Class Predictions

Cross Entropy Loss

Loss

Triplet Loss

f_{GCN}