

Fig. 2. **Left**: Computing an edge feature, e_{ij} (top), from a point pair, x_i and x_j (bottom). In this example, $h_{\Theta}()$ is instantiated using a fully connected layer, and the learnable parameters are its associated weights. Right: The EdgeConv operation. The output of EdgeConv is calculated by aggregating the edge features associated with all the edges emanating from each connected vertex.

