



Diagram illustrating a metric tree structure M with nodes $(\tau_{0,1}, 0)$ through $(\tau_{0,4}, 0)$ and associated mathematical expressions.

The tree structure shows nodes $(\tau_{0,1}, 0)$ through $(\tau_{0,4}, 0)$ connected by edges. The nodes are labeled with their respective coordinates on the tree:

- $(\tau_{0,1}, 0)$
- $(\tau_{0,2}, 0)$
- $(\tau_{0,3}, 0)$
- $(\tau_{0,4}, 0)$

Mathematical expression associated with the nodes and edges:

- For $(\tau_{0,1}, 0)$ and $(\tau_{0,2}, 0)$: $\frac{\partial u}{\partial \tau} + J_{\tau, t} \left(\frac{\partial u}{\partial t} - \chi(\tau) X_{H_t} \right) = 0.$