1067-47-721   **George R. Exner** (`exner@bucknell.edu`), Department of Mathematics, Bucknell University, Lewisburg, PA 17837, **Il Bong Jung** (`ibjung@knu.ac.kr`), Department of Mathematics, Kyungpook National University, Daegu, 702-701, South Korea, **Eun Young Lee*** (`eunyounglee@knu.ac.kr`), Department of Mathematics, Kyungpook National University, Daegu, 702-701, South Korea, and **Mi Ryeong Lee** (`leemr@knu.ac.kr`), Faculty of Liberal Education, Kyungpook National University, Daegu, 702-701, South Korea. *Partially normal composition operators relevant to weighted directed trees.*

We characterize properties including p-hyponormality and p-paranormality for composition operators arising from measurable transformations on weighted directed trees, in terms of a test at each node v involving the masses at nodes in a neighborhood of nodes near v. Also constructed are certain graphs $\mathcal{E}$ universal for p-hyponormality in that the neighborhood of any node in any graph yielding a p-hyponormal composition operator is a certain limit of neighborhoods in $\mathcal{E}$. These results are applied to some examples with particularly regular graph structures. (Received September 14, 2010)