1067-05-2373   **Neil Robertson*** (`robertso@math.ohio-state.edu`). *On graph well-quasi-order by topological inclusion.*

Graph well-quasi-order (wqo) goes back to Vazsonyi, who conjectured in the 1930's that trees under topological inclusion have the property that for any infinite sequence T(1), T(2), ... of trees, indices i, j exist with T(i) topologically included in T(j). This talk considers the general problem of when a topologically closed class of graphs is a wqo. The conjecture for trees was proved by J. Kruskal in the 1950's and the conjecture for subcubic graphs is a corollary of the graph minor wqo theorem from the 1980's. (Received September 22, 2010)

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