1113-05-298 **Jill Faudree*** (jrfaudree@alaska.edu), Department of Mathematics and Statistics, University of Alaska Fairbanks, Fairbanks, AK 99775-6660, and **Ralph J Faudree**, **Paul Horn**, **Ron Gould** and **Michael Jacobson**. *Degree Sum and Vertex Dominating Paths.*

A graph G is called $H-$*saturated* if G contains no copy of H, but for any edge e in the complement of G, the graph $G+e$ contains some copy of H. The minimum size of an n-vertex H-saturated graph is denoted by $\mathbf{sat}(n;H)$ and is called the *saturation number of* H. Kászonyi and Tuza determined the values of $\mathbf{sat}(n;H)$ when H is a path or a disjoint union of edges. In this paper, we determine the values of $\mathbf{sat}(n;H)$ for the disjoint union of paths (a linear forest) within a constant depending only on H. Moreover, we obtain exact values for some special classes and include several conjectures. (Received August 25, 2015)