1113-05-232   **Jill Faudree**, **Ralph Faudree**, **Ron Gould**, **Paul Horn*** (`paul.horn@du.edu`) and **Michael Jacobson**. *Degree sum and vertex dominating paths.*

We investigate degree sum conditions which guarantee that a graph contains a short dominating path. In particular we show that a graph satisfying $\sigma(2) \geq \frac{2n}{k+2} + c(k)$ contains a dominating path whose length is the same order as the size of a smallest dominating set. Along the way we answer some questions in a recent paper of Faudree, Gould, Jacobson and West. (Received August 23, 2015)