

## The Domination Continuum on Trees

Miranda L. Roden <sup>\*</sup>, Peter J. Slater, The University of Alabama in Huntsville

For each sequence  $c_1, c_2, c_3, c_4, \dots$  with  $c_i \leq c_{i+1}$ , we define a domination parameter  $\gamma_{\mathbf{X}(c_1, c_2, c_3, \dots)}(G)$ . The requirement is for each vertex subset of size  $i$  to be dominated at least  $c_i$  times. We focus on the  $\gamma_{\mathbf{X}(c_1, c_2)}(G)$  parameters which are defined for trees. We examine bounds and characterizations of trees which meet these bounds.

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