Abstract

Let G = (V;E) be a connected graph. A subset S of V (G) is called a boundary dominating set if every vertex of V – S is boundary dominated by some vertex of S. The minimum taken over all boundary dominating sets of a graph G is called the boundary domination number of G and is denoted by γ_b(G). We define the boundary domatic number in graphs. Exact values of of Wheel Graph Families are obtained and some other interesting results are established.

References

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**Index Terms**

Computer Science  
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**Keywords**

Boundary dominating set, Boundary domination number, Boundary domatic number