

Conversely, Suppose every minimal dominating set of G is independent. Then two vertices adjacent in G cannot be adjacent in $CD(G)$. Thus $CD(G) \subseteq \overline{G}$ and since $\overline{G} \subseteq CD(G)$, We see that $\overline{G} = CD(G)$.

5. Conclusion

Complete and Complementary domination in interval valued fuzzy graph is defined. Theorems related to this concept are derived and the relation between domination number in interval valued fuzzy graph and Complete, Complementary domination in interval valued fuzzy graphs are established.

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