

Gani, A. Nagoor; Latha, S. R.**On irregular fuzzy graphs.** (English) Zbl 1248.05165

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Summary: In this paper, neighbourly irregular fuzzy graphs, neighbourly total irregular fuzzy graphs, highly irregular fuzzy graphs and highly total irregular fuzzy graphs are introduced. A necessary and sufficient condition under which neighbourly irregular and highly irregular fuzzy graphs are equivalent is provided. Some results on neighbourly irregular fuzzy graphs are established.

MSC:

05C72 Fractional graph theory, fuzzy graph theory

05C07 Vertex degrees

Cited in 8 Documents**Keywords:**

degree of fuzzy graph; regular fuzzy graph; irregular fuzzy graph; highly irregular fuzzy graph

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