

$$d_{(G_1[G_2]G_2)}(u_1, u_2) = \sum_{(u_1, u_2)(x, y) \in E(G_1 \circ G_2)} \rho(u_1, u_2)(x, y) = 0.2 + 0.3 = 0.5$$

and they are not the same.

REFERENCES

- [1] B. Freluh, S. Miklavic, Edge regular graph products, the electronic journal of combinatorics, 20 (2013) 62-66.
- [2] W. Imrich, S. Klavzar, Product Graphs: Structure and Recognition, Wiley, New York (2000).
- [3] J.N. Mordeson, C.-S. Peng, Operations on fuzzy graphs, Information Sciences 79 (1994) 159–170.
- [4] G. Nirmala and M. Vijaya “Fuzzy graphs on composition, Tensor and Normal Products” International Journal of Scientific and Research Publications, 2(2012)1-7.
- [5] A. Rosenfeld, Fuzzy graphs, in: L.A. Zadeh, K.S. Fu, M. Shimura (Eds.), Fuzzy Sets and their Applications to Cognitive and Decision Processes, Academic Press, New York, 1975, pp. 77–95.
- [6] L.A. Zadeh, Fuzzy sets, Information and Control 8 (1965) 338–353.