

Fault-tolerant cycle embedding in the triangular pyramid networks

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(joint work with Meijie Ma)

The triangular pyramid, proposed by Razavi and Sarbazi-Azad is a hierarchy structure based on triangular meshes. In this talk, we show that the triangular pyramid inherits some nice network properties from pyramid and in particular it is a symmetric network. We also determine the connectivity of the triangular pyramid and furthermore prove that it is 1-fault tolerant vertex-pancyclic. [1].

REFERENCES

- [1] S.B. Akers, B. Krishnamurthy, A group-theoretic model for symmetric interconnection networks, *IEEE Trans. Comput.* 38:4 (1989), 555–566.