

Constructing Clifford graph algebras for special classes of trees

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William Clifford was an English mathematician who developed Clifford algebras, a useful tool for studying graphs, applications in physics, computer science, and more. Each of n generators in a Clifford graph algebra is associated with a vertex of a simple graph \mathcal{G} . Two generators will commute if there is no edge in between their associated vertices. Vertices that share an edge have a special property that causes their generators to anti-commute. The primary objective of this talk is to construct the Clifford graph algebra for special classes of trees. Applications will be discussed in greater detail.

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