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完全图的两类生成子图是谱唯一确定的

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A graph \emph{G} is said to be \emph{determined by its spectrum} if any graph having the same spectrum as that of \emph{G} is isomorphic to \emph{G}. In this paper, it was proved that $K_{n}-E(IP_{2})$ and $K_{n}-E(K_{1,I})$ are determined by their spectra, respectively.

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摘要 只有与 G 同构的图才有相同的谱, 则称图 G 称为谱唯一确定的. 本文证明了, $K_{n}-E(IP_{2})$ 和 $K_{n}-E(K_{1,I})$ 是谱唯一确定的.

关键词:

Abstract: A graph \emph{G} is said to be \emph{determined by its spectrum} if any graph having the same spectrum as that of \emph{G} is isomorphic to \emph{G}. In this paper, it was proved that $K_{n}-E(IP_{2})$ and $K_{n}-E(K_{1,I})$ are determined by their spectra, respectively.

Key words: cospectral graphs   spectrum of a graph   eigenvalues

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