

由(16)及定义知, 图 $S_{k(r(n+1)+1)+1}^{S^*} \cup ((krn-1)+(k-1)(r-1))K_1$ 与 $(k-1)(r-1)S_{n+1} \cup (k-1)S_{r+n+1} \cup \Psi^{S^*(1)}(krn, r(n+1)+1)$ 是伴随等价的, 它们的补图是色等价的.

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The Factorization Theorem of Adjoint Polynomials of a Kind of Graph and Chromatically Equivalence of Its Complement

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Abstract: By studying the factorization of adjoint polynomials of three types of combinational graphs about star S_{n+1} , this paper proves the structure characteristics of the chromatically equivalent graphs of their complement graphs.

Key words: chromatic polynomial; adjoint polynomial; factorization; chromatically equivalent graphs

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