

Factorization of Schur's Q -Functions and Plethysm

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Abstract. In this paper, a factorization formula of Schur's Q -functions is shown. This formula gives us plethysms $p_r \circ Q_\lambda$. Moreover, some formulas of spin characters of symmetric groups are presented.

Keywords: bar-cores and bar-quotients of partition, Schur's Q -function, plethysm, Littlewood-Richardson's rule for Schur's Q -functions

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