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05401. *Bitableau bases for Garsia–Haiman modules of hollow type.*

Garsia-Haiman modules are quotient rings in variables $X_n = \{x_1, x_2, \dots, x_n\}$ and $Y_n = \{y_1, y_2, \dots, y_n\}$ that generalize the quotient ring $\mathbb{C}[X_n]/I$, where I is the ideal generated by the elementary symmetric polynomials $e_j(X_n)$ for $1 \leq j \leq n$. A bitableau basis for the Garsia-Haiman modules of hollow type is constructed. (Received February 09, 2009)