

EXPRESSING THE CYCLIC MODULES IN TERMS
OF ELEMENTARY MODULES IN THE CLASSICAL HALL ALGEBRA

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Abstract. Using some results obtained in the Hall algebra of the Kronecker algebra we obtain a new recursive algorithm for expressing the indecomposable (cyclic) modules in terms of semisimple (elementary) modules in the classical Hall algebra.

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Key words. Kronecker algebra, Hall algebra, classical Hall algebra, cyclic and elementary modules.

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