

Computations of Weighted Moore-Penrose inverse of rational matrices using Database storage system

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A unified approach for computations of Weighted Moore-Penrose inverse of rational matrices using database storage system are developed. We propose a client/server-based model for computing the weighted Moore-Penrose inverse using the partitioning method along with the implementation and experimental support. Our main motivation was to provide better access compared to our previous work, as well as other studies, primarily in the field of symbolic matrix calculations. Specifically, we provide a new approach for computation generalized weighting MP inverse matrix based on object-oriented programming (OOP) with the technique of storing with NoSQL Database Approach.
