

MOLECULAR MODEL IN SOLVING FACILITY LAYOUT PROBLEM

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This paper presents a new method for remodeling the Facility Layout Problem (FLP) by using molecular structure and formation, where variety types of molecular forces can be analogous to corresponding inter and inner relationships between and within the departments. Genetic Algorithm (GA) is the tool to search through the solutions space. This modeling and method should help in solving FLP more effectively considering both inside (machine layout) and overall layout of the departments.