

# **Abstract**

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## **Classification and Elimination of Overlapped Entities in DXF Files**

Computer aided engineering design, drafting and manufacturing, packages are widely used in modern industry. The product development cycle, from idea to manufacturing, goes through different stages, which use different computer aided programs. These programs exchange a lot of information in different formats. One of these formats is 2D drawing in DXF standard format. The exchanged files suffer from overlapped entities and different interpretation for entity formats. This paper emphasizes on this problem sources and negative effects. Moreover it introduces software for eliminating the overlapping entities and re-classification of them. In addition, the paper introduces the algorithms, which encapsulated in the software.