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**RESEARCH ARTICLE**

# REAL-TIME COMPRESSION STRATEGY ON VARIOUS POINT CLOUD STREAMS

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## ABSTRACT

*The Lossy based compression technique is used to compress the 3d image. These techniques exploit the spatial and temporal redundancy within the point data. To design an effective compression algorithm for point cloud computation by increasing its efficiency and space vector. so we perform a spatial decomposition based on octree data structures. By encoding their structural differences, we can successively extend the point clouds at the decoder. Another approach reduces coding complexity and coding precision. Our experimental results show a strong compression performance of a ratio of 14 at 1 mm coordinate precision and up to 40 at a coordinate precision of 9 mm.*

**KEYWORDS:** *Point Cloud, Coordinate Precision, Spatial Decomposition*

Full Text: <http://www.ijcsmc.com/docs/papers/March2014/V3I3201494.pdf>