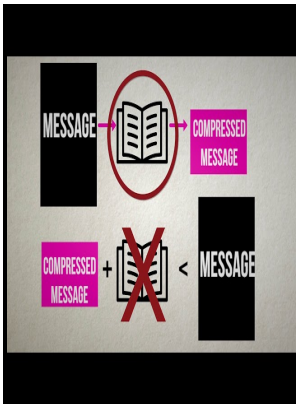


# Path-dictated, lossless volumetric data compression.

The Author] - How data compression works



Description: -  
-Path-dictated, lossless volumetric data compression.  
-Path-dictated, lossless volumetric data compression.  
Notes: Thesis (D.Phil.) - University of Ulster, 1996.  
This edition was published in 1996



Filesize: 68.66 MB

Tags: #Integrated #lossy, #near

## Lossless compression of volume data

We then investigate previous attempts at volume compression.

### CiteSeerX — Lossless Volume Data Compression Schemes

In larger RAM memory sizes, 8K or 16K, it is possible to achieve 80% efficiency or more. Your use of this feature and the translations is subject to all use restrictions contained in the of the SPIE website. We present a lossless data-compression algorithm which, being oriented specifically for volume data, achieves greater compression performance than generic compression algorithms that are typically available on modern computer systems.

### [PDF] An improved quadtree

We propose a simple and practical method to estimate online the optimal bit rate and provide a theoretical justification for it. This technique is generally useful for us when the quality of data is not our first priority.

### Difference between Lossless and Lossy data compression

In this paper a novel algorithm for lossless compression of volumetric data is presented. If it is not found, the token for STRING is output to the compressed data buffer box 5. At the top of the flowchart, box 1 reads in the first byte from the input data stream and places it into the STRING array.

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