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## Adaptive Image Compression using Fractals and Pyramids

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### **Abstract**

Image pyramids and IFS-Codes have been used independently for image processing and image compression. In this paper several possible combinations of both methods are described. Pyramids could be used to segment an image into regions that are well suited for IFS-Coding and regions that can be better described by other methods. IFS-Codes for image segments could be calculated with the help of pyramids, and combinations of IFS-Codes and Laplacian Pyramids could achieve very high compression rates.