



entropy



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## Information Theory Application in Visualization

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submissions:

**closed (30 April 2019)**

### Message from the Guest Editors

Dear Colleagues,

Information theory is “the science of quantification, coding and communication of information” (Usher, 1984). Since the pioneering work by Shannon and Wiener in the late 1940s, information theory has played an underpinning role in the field of tele- and data communication. It has also been applied to disciplines such as physics, biology, neurology, and psychology. In computer science, its applications include computer graphics, medical imaging, computer vision, data mining, and machine learning. *Visualization* is concerned with visually coding and communicating information. Many aspects of a visualization pipeline feature events of a probabilistic nature, bearing a striking resemblance to a communication pipeline. This Special Issue of *Entropy* focuses on the applications of information theory in visualization.

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*Guest Editors*



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# Special Issue



# entropy



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## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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