

An Introduction to Video Coding and Intra Prediction Using PDEs

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Video Coding is a form of efficiently representing video signals in digital form. The increasing popularity of high definition TV, internet video and mobile devices creates a greater need for higher coding efficiency. There is a complex relationship between the video quality, the quantity of the data needed to represent it (bit rate) and the computational complexity of the encoding and decoding algorithms. This talk provides an introduction to video coding in general and gives an insight to latest research concerning new ideas for intra prediction using PDEs.