عنوان مقاله:

Image Compression using Neural Networks

محل انتشار:

دوازهمین کنفرانس دانشجویی مهندسی برق ایران (سال: 1388)

تعداد صفحات اصل مقاله: 8

نویسنده:

ALI Y.Abbas - *Malek-e-Ashtar University of Technology*

خلاصه مقاله:

Computer images are extremely data intensive and hence require large amounts of memory for storage. As a result, the transmission of an image from one machine to another can be very time consuming. By using data compression techniques, it is possible to remove some of the redundant information contained in images, requiring less storage space and less time to transmit. Feed-forward Networks using Back propagation Algorithm adopting the method of steepest descent for error minimization is popular and widely adopted and is directly applied to image compression. Various research works are directed towards achieving quick convergence of the network without loss of quality of the restored image, as shown in this paper (I proposed a newmethod).

کلمات کلیدی:

Image compression, Neural networks, Identity map, Histogram equalization, Neural Network Initialization

لینک ثابت مقاله در پایگاه سیویلیکا: