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SHETH L.U.J. COLLEGE OF ARTS & SIR M.V. COLLEGE OF SCIENCE & COMMERCE

Department of Computer Science

Digital Image Processing Practical -05

Aim-linear cross correlation of a 20 matrix (incular correlation between two signals and linear auto correlation of a 20 matrix.

Description -

(mss correlation (noss correlation is a measure of similarity of two series as a function of the other. This is also displacement of one relative to the other. This is also known as sliding dot product or sliding linear modernt. This is cross correlation, is similar in nature to the correlation of two functions:

Circular complation - Circular correlation, they are virued as repetition of elements within the original range. Converts Conversly it computing a circular correlation, the size of mathematical the circular correlation should be used when the signal can be viewed as periodic.

Auto correlation-Auto correlation is a matternation representation of the degree of similarity between a given time series and a lagged cersion of itself over successive time intervals. Auto correlation measures the relationship between a variables current value and its past values



