

Sabri A. Mahmoud, "A new technique for velocity estimation of large moving objects," IEEE Transactions on Signal Processing, pp.741-743, March 1991.

Key words: Motion Analysis, Velocity Measurement, Time Sequence Analysis, Large Objects

IEEE TRANSACTIONS ON SIGNAL PROCESSING, VOL. 39, NO. 3, MARCH 1991

741

A New Technique for Velocity Estimation of Large Moving Objects

Sabri A. Mahmoud

Abstract—A new technique for motion estimation of large moving objects is presented. This technique is based on analyzing the Hartley transform spectrum of the image sequence directly, instead of using it to compute other transforms. This method is faster than other techniques based on the Fourier transform.