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### The Overlapping Based Directional Hartley Transform

P . Rajavel

Abstract - Literature review revealed, overlapping based directional Hartley transform ( ODirHT ) in the Hartley domain has wide applications. The Fourier domain sub band partition principle of the curvelet transform is used to construct the ODirHT in the Harley domain. The ODirHT is a sparse representation and redundancy factor is 2.72 with computational complexity of  $o(N^2 \log^2 N)$  for  $N \times N$  image. The paper aims at focusses above issues.