

CREATIVE MATH.
12 (2003), 71-76

The Window Fourier transform – a suitable alternative for image compression?

OVIDIU COSMA

ABSTRACT. The *Discrete Cosine Transform* [6], [8] on which the best-known image compression schemes are based [7], [1], has the major disadvantage that it does not localize the frequency components in time. The *Window Fourier Transform* (WFT) [3], [4], [5] solves this problem, but has limitations related to the resolutions in time and frequency. This article contains a visual evaluation of the WFT characteristics.

OVIDIU COSMA
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
FACULTY OF SCIENCES
NORTH UNIVERSITY OF BAI A MARE
VICTORIEI 76, 430122 BAI A MARE, ROMANIA
E-mail address: `cosma@alphanet.ro`