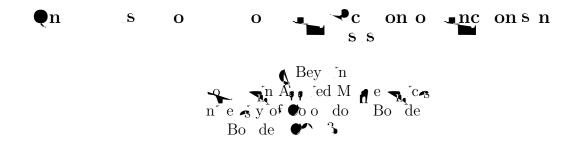
Published in Proceedings of the International Conference "Wavelets and Applications", Toulouse, 1992; Y. Meyer and S. Roques, edt., Editions Frontieres, 1993



I Introduction

$$c_{\mathbf{k};\mathbf{k}';\mathbf{l}}^{\mathbf{j};\mathbf{j}';\mathbf{m}} \quad \int_{-\infty}^{+\infty} \ \mathbf{k} \underbrace{\qquad \qquad \mathbf{j}'}_{\mathbf{k}'} \underbrace{\qquad \qquad \mathbf{m}}_{\mathbf{l}} \underbrace{\qquad \qquad }_{\mathbf{k}} \underbrace{\qquad \qquad }_{\mathbf{k}'} \underbrace{\qquad \qquad }_{\mathbf$$

n n he of the long of new sections of new he of a new order of new heat of N_s of order order of N_s order or

II Multiresolution algorithm for evaluating u

Le scons de
$$\mathbf{n}$$
 o ec ions of $\in \mathbf{L}^2$ \mathbf{R} on \mathbf{s} ces \mathbf{V}_j

$$\mathbf{m} = \mathbf{e} \cdot \{\mathbf{V}_j\}_{j \in \mathbf{Z}} \quad \mathbf{s} \quad \mathbf{e} \cdot \mathbf{e} \quad \mathbf{$$

Le
$$s$$
 y conside in n

e e co h e d'e ences nd e es $d_{\mathbf{k}}^{\mathbf{j}+1}$ nd $\mathbf{k}^{\mathbf{j}+1}$ e en dd $\mathbf{k}^{\mathbf{j}+1}$ o k e fo e e nd n f e cco d'n o e fo o 'n y $\mathbf{k}^{\mathbf{j}}$ e $\mathbf{k}^{\mathbf{j}}$

3 e fo $\mathbf{A}_{\mathbf{a}}$ e fo $\mathbf{A}_{\mathbf{c}}$ e fo $\mathbf{A}_{\mathbf{c}}$ e $\mathbf{d}_{\mathbf{k}}$ e fo $\mathbf{A}_{\mathbf{k}}$ e fo $\mathbf{d}_{\mathbf{k}}$ in $\mathbf{d}_{\mathbf{k}}$ and $\mathbf{d}_{\mathbf{k}}$ in $\mathbf{d}_{\mathbf{k}}$ and $\mathbf{d}_{\mathbf{k}}$ in $\mathbf{d}_$

$$\sum_{j=1}^{2} \sum_{k \in \mathbb{Z}} d_{k}^{j} d_{k}^{j} d_{k}^{j} \sum_{k \in \mathbb{Z}} n n n n n n n n$$

as ce hen se of o e fons fo co in he e n son of $\frac{2}{0}$ to o on o hen se of s n coe cen s $d_{\mathbf{k}}$ in he e e e n son of 0e d'enson ce

o u^2 n

eno en o e ene ce of e en de en o que, nd ino e e e es nien ece of e sage, od con en se so e ino e ne se nd e de eo, ne cen , o q oq nd e As o e e e co e con c y so o ed e e so o o consde con e no

$$M_{\mathbf{WWW}}^{\mathbf{J}:\mathbf{J}'} M' M = \int_{-\infty}^{+\infty} \mathbf{k} \left[\mathbf{k}' \right] \left[\mathbf{k}' \right] dM$$

$$M_{\mathbf{WWW}}^{\mathbf{j};\mathbf{j}'} \underbrace{M'M} \qquad {}^{-\mathbf{j}'=2} \int_{-\infty}^{+\infty} \overset{\mathbf{j}-\mathbf{j}'}{\underset{\mathbf{k}-\mathbf{k}'}{\underbrace{\mathbf{k}}}} \overset{\mathbf{j}-\mathbf{j}'}{\underset{\mathbf{k}-\mathbf{k}'}{\underbrace{\mathbf{k}}}} \overset{0}{\underset{2^{j-j'}\mathbf{k}-\mathbf{l}}{\underbrace{\mathbf{k}}}} dt M$$

The same of the end o

nse dof c'en o consde de Min

$$\mathbf{V}_0 \times \mathbf{V}_0 \to \mathbf{V}_0$$

for an order of \mathbf{v}_0

de esot inee on say e is d d s s d s

References

Bey in ees M ees ion nyss nd. s N acc A of A A dr f, of N A Lec, re No, e

Bey in \bigcap n e e, e.en ion of o, e o sin soft compact y so, o ed e e s AM . N | er An ... o , e

Bey in Co, Pre nd App. M, See nso YAL App. M, See nso YAL

M Bony ne ciondessin lesso ese lons de eest ne le es A par en non ine lesse e est d'in f d'eest se d'in d'on d'e