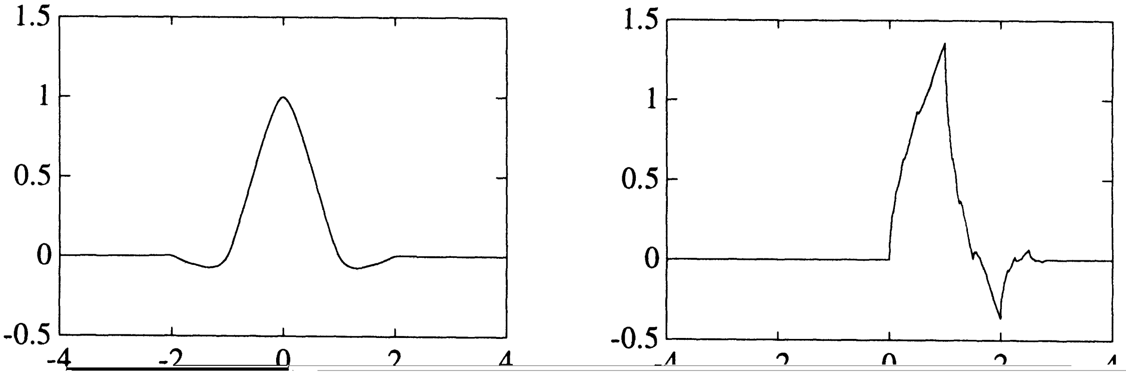
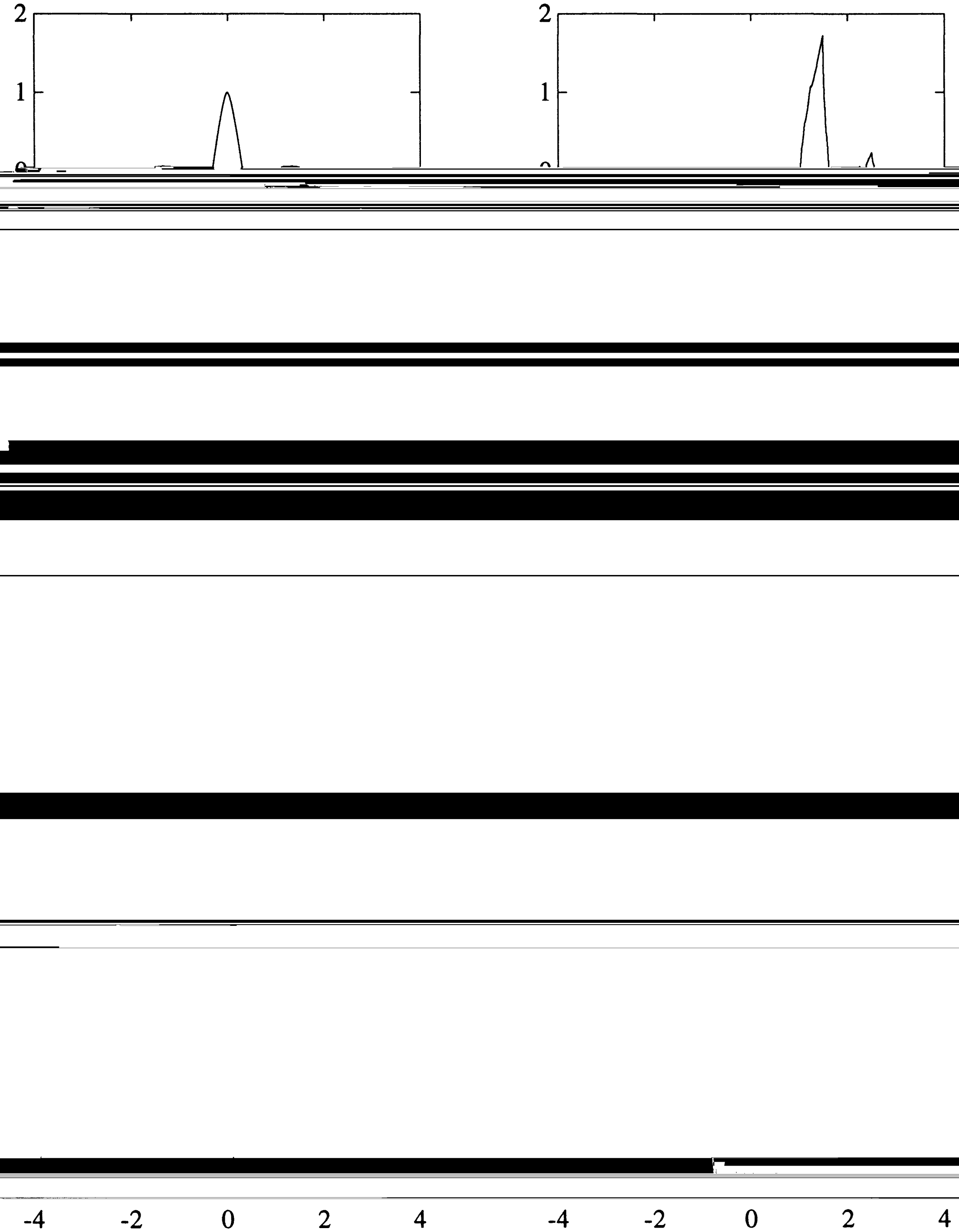
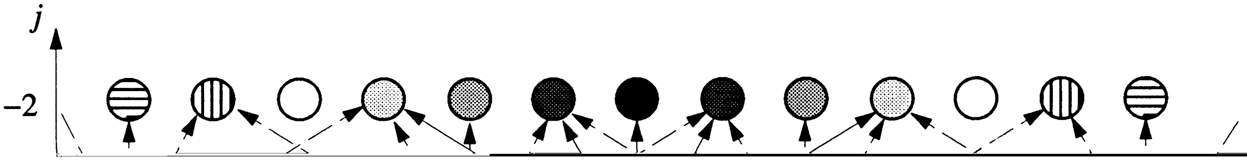
If we consider trigonometric polynomial solutions of (1.4), then from from (1.2) and (1.4) follows that


1.5
1
0.5
0
-0.5
-4
-2
0
2
4
1.5
1
0.5
0
-0.5
-4
-2
0
2
4

[illegible]


2
1
0
2
1
0
-4
-2
0
2
4
-4
-2
0
2
4


j
−2

In this case, (1.20) reduces to

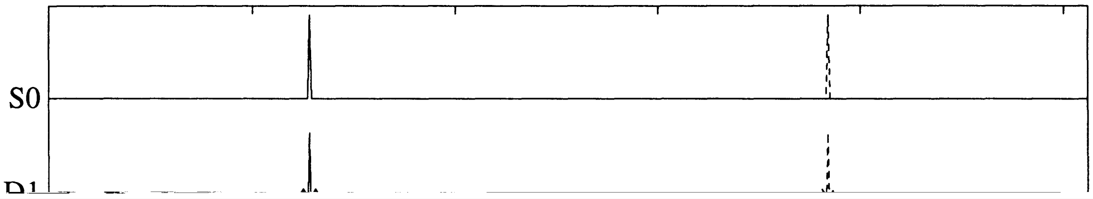
$$F_L(x) = F_L(2x) + \sum^{M} \mathcal{P}^L_{2k-1}(0)\ \left(F_L(2x-2k+1) + F_L(2x+2k-1)\right), \tag{1.23}$$

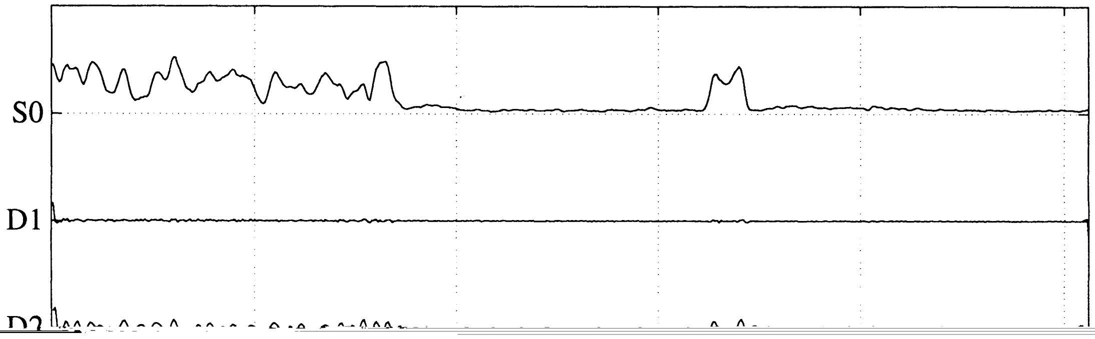
“L[illegible] iterative interpolation.” The original Dubuc's scheme (1.18) [illegible] to $L = 4$ in (1.21)

As a result, we have the following relation

$$a_k \quad \sin \pi k/2$$

of the wavelets per se [11]. The exact filters for the decomposition are the auto-correlation coefficients of


S0
D1


S0
D1
D2

[redacted]