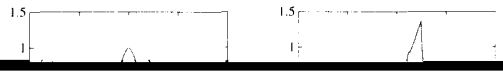
REFERENCES

I. Introduction

where $\varphi(x)$ is the scaling function which appears in the construc-

By direct examination of (2.7) and (2.10), we find that both Φ and Ψ are supported within the interval $[-L + 1, L - 1]$.



In this case, (2.18) reduces to

$$M$$

auto-correlation functions in (2.1) and (2.8). Note that the derivative of the function $f(x)$ in (2.19) is computed via

IV. On Reconstructing Signals from Zero-Crossings

It follows from Proposition 1, that any zero-crossing coordinate