	$A_i = A_{i-1} * V,$	$D_i = A_{i-1} * W$
where		
• V is the sca	aling wavelet vector,	
ullet W is the di	ifferencing wavelet vector	or,
• A is the av	erage vector (scaled vec	ctor),
• D is the dir	fference component vec	etor,
• $\forall i \in [1, L)$	and $A_0 = f$ which is th	ne original signal, and
• L is the $\lim_{n \to \infty} \frac{1}{n}$		utions that signal can have based on the