terms are indexed. • The issue is how each element is accounted for in the wavelet representa-

• There is a significant issue as to how the difference terms, and average

- tion. $(S_i, S_{i-1}) \to A_i$, and $(S_i, S_{i-1}) \to D_i$.
- The following equations represent the mapping from the average and difference arrays to the recovered array.
 - $R_{2i} = (A_i D_i)\sqrt{1/2},$ Odd:

 $R_{2i+1} = (A_i + D_i)\sqrt{1/2}$ $R_{2i} = (A_i + D_i)\sqrt{1/2},$ $R_{2i-1} = (A_i - D_i)\sqrt{1/2}$ Even: