

Problem with BSW method

Yingsheng Huang

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From the original paper, the matrix elements read (H_0 is the same so I only listed V)

$$V_{ml} = V_{m-1,l-1} + \begin{cases} 0, l+m = \text{odd} \\ \frac{8l}{(l+m-1)}, l+m = \text{even} \end{cases} \quad (1)$$

and in the paper Shuangran gave you, this term reads

$$V_{nm} = V_{n-1,m-1} \left(\frac{m}{m-1} \right) + \frac{8m}{n+m-1} \left[\frac{1+(-1)^{n+m}}{2} \right]$$