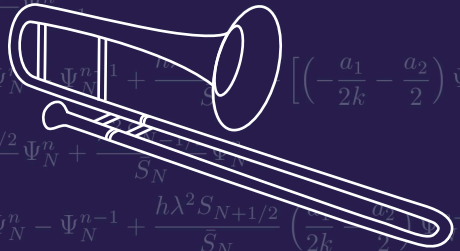

$$\Psi_N^{n+1} = 2(1-\lambda^2)\Psi_N^n - \Psi_N^{n-1} + \frac{h\lambda^2 S_{N+1/2}}{\bar{S}_N}\left(\frac{a_1}{2k} - \frac{a_2}{2}\right)\Psi_N^{n-1} + \frac{\lambda^2 S_{N+1/2}}{\bar{S}_N}\Psi_{N+1}^n + \frac{\lambda^2 S_{N-1/2}}{\bar{S}_N}\Psi_{N-1}^n$$

$$\Psi_N^{n+1} = \frac{2(1-\lambda^2)\Psi_N^n - \Psi_N^{n-1} + \frac{h\lambda^2 S_{N+1/2}}{\bar{S}_N}\left(\frac{a_1}{2k} - \frac{a_2}{2}\right)\Psi_N^{n-1} + \frac{\lambda^2 S_{N+1/2}}{\bar{S}_N}\Psi_{N+1}^n + \frac{\lambda^2 S_{N-1/2}}{\bar{S}_N}\Psi_{N-1}^n}{\left(1 + \left(\frac{a_1}{2k} + \frac{a_2}{2}\right)\frac{h\lambda^2 S_{N+1/2}}{\bar{S}_N}\right)}$$