

$$G^{(i)}(v) = I_0(v) + 2S(v) \sum_n \cos[-2\pi v(\tau_n - \tau_r) + \Delta_i(v)]$$

$$= I_0(v) + a_1(v) \cos[\Delta_i(v)] + a_2(v) \sin[\Delta_i(v)],$$

$$i = 0, \dots, N.$$