

$$\hat{\chi}(t+p) = \begin{cases} \frac{\sum_{i=1}^M |\chi(k_i) - \chi(t)|^{-1} \chi(k_i + p)}{\sum_{i=1}^M |\chi(k_i) - \chi(t)|^{-1}} & \text{if } \chi(k_i) \neq \chi(t) \text{ for all } i \\ \chi(k_1 + p) & \text{otherwise} \end{cases}$$