DEPENDENCE OF THE α_n^-

$$\alpha_n^- = \frac{\sqrt{\pi T}}{p^+} \sum_{m=-\infty}^{\infty} \alpha_{n-m}^i \alpha_m^i$$

$$\bar{\alpha}_n^- = \frac{\sqrt{\pi T}}{p^+} \sum_{m=-\infty}^{\infty} \bar{\alpha}_{n-m}^i \bar{\alpha}_m^i$$