

Variational estimates

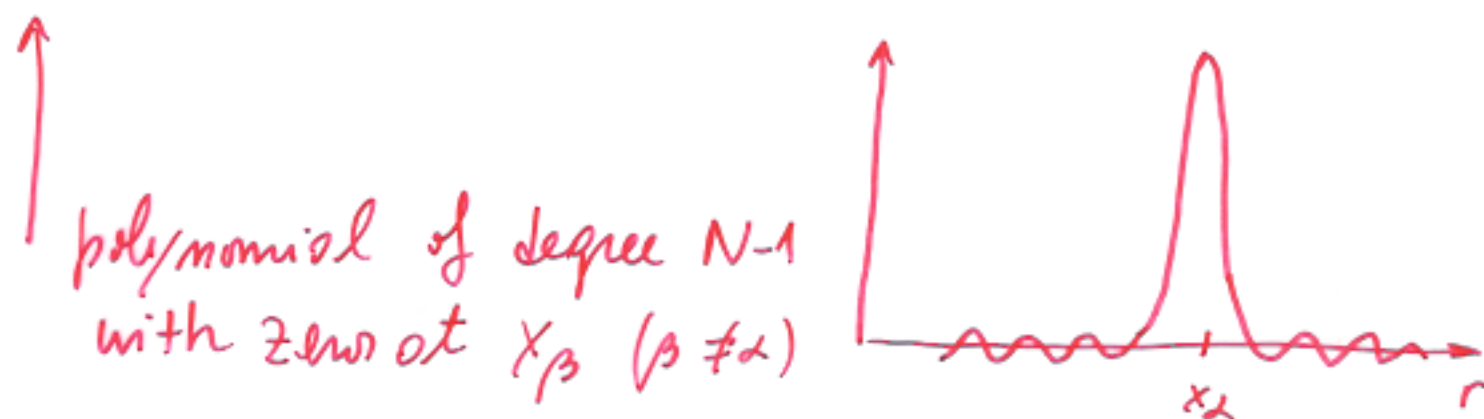
$$H^{DVR} = T^{\dagger} H^{FBR} T$$

$$\{E^{DVR}\} \equiv \{E^{FBR}\}$$

$$\chi_{\lambda}^{FBR} = \sum_{k=0}^{N-1} B_k^{\lambda} \phi_k(r) \equiv \chi_{\lambda}^{DVR}(r)$$

$$\chi_{\lambda}^{DVR} = \sum_{\alpha=0}^{N-1} C_{\alpha}^{\lambda} \phi_{\alpha}^{DVR}(r)$$

$$\phi_{\alpha}^{DVR}(r) = \sum_{k=0}^{N-1} T_{k\alpha} \phi_k(r) \quad ; \quad B_k^{\lambda} = \sum_{\alpha=0}^{N-1} T_{k\alpha} C_{\alpha}^{\lambda}$$



$$H_{ij} = \langle \chi_i^{DVR} | K + V | \chi_j^{DVR} \rangle \quad i, j = 1 \dots m$$

$$E_{\lambda}(m) \geq E_{\lambda}(N) \geq E_{\lambda}$$