

$$\phi_0 = \langle \xi^0 \rangle = 1, \quad \phi_2 = \frac{7}{12} (5 \langle \xi^2 \rangle - \langle \xi^0 \rangle), \quad \phi_4 = \frac{11}{24} (21 \langle \xi^4 \rangle - 14 \langle \xi^2 \rangle + \langle \xi^0 \rangle), \dots$$