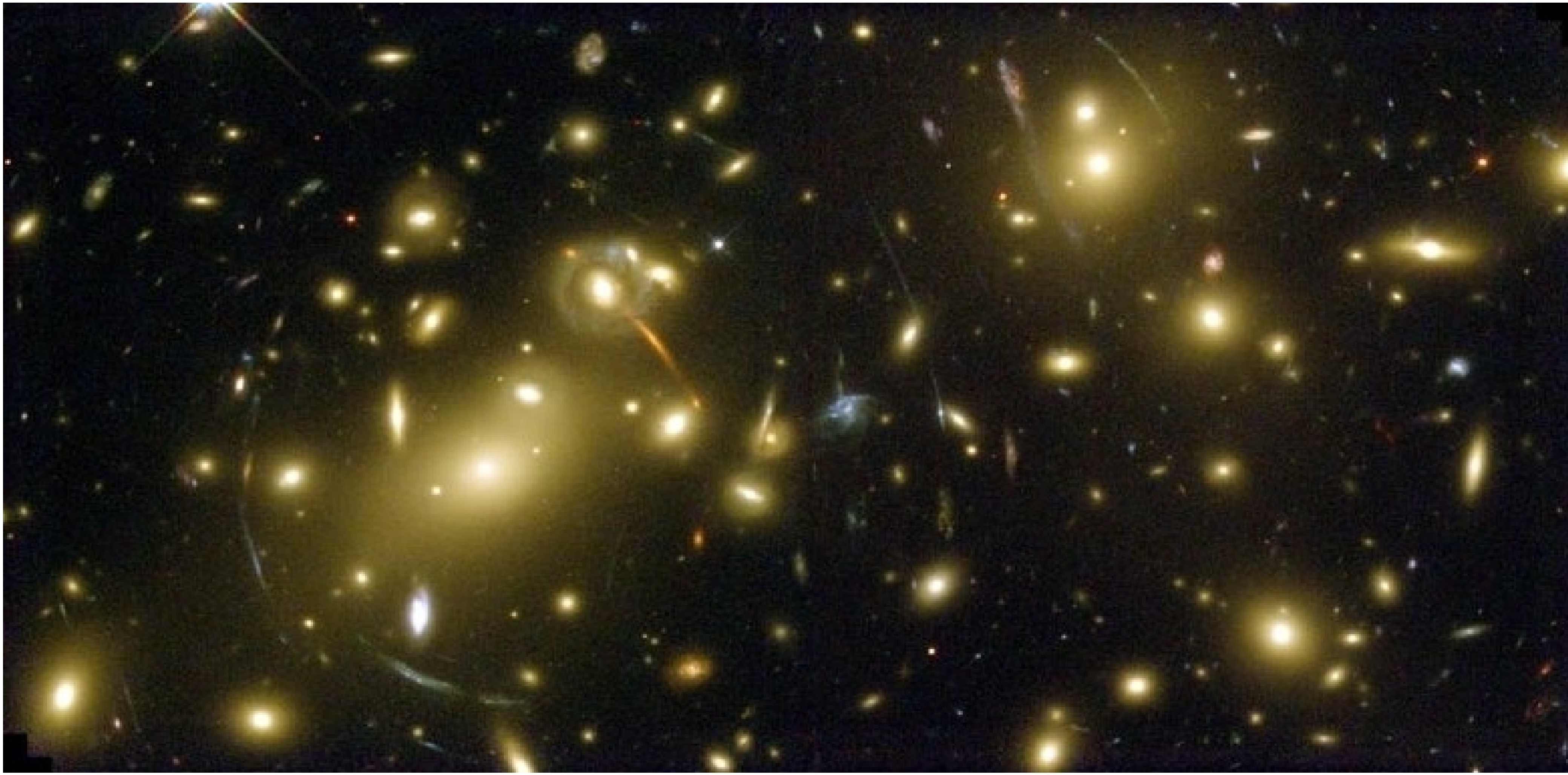
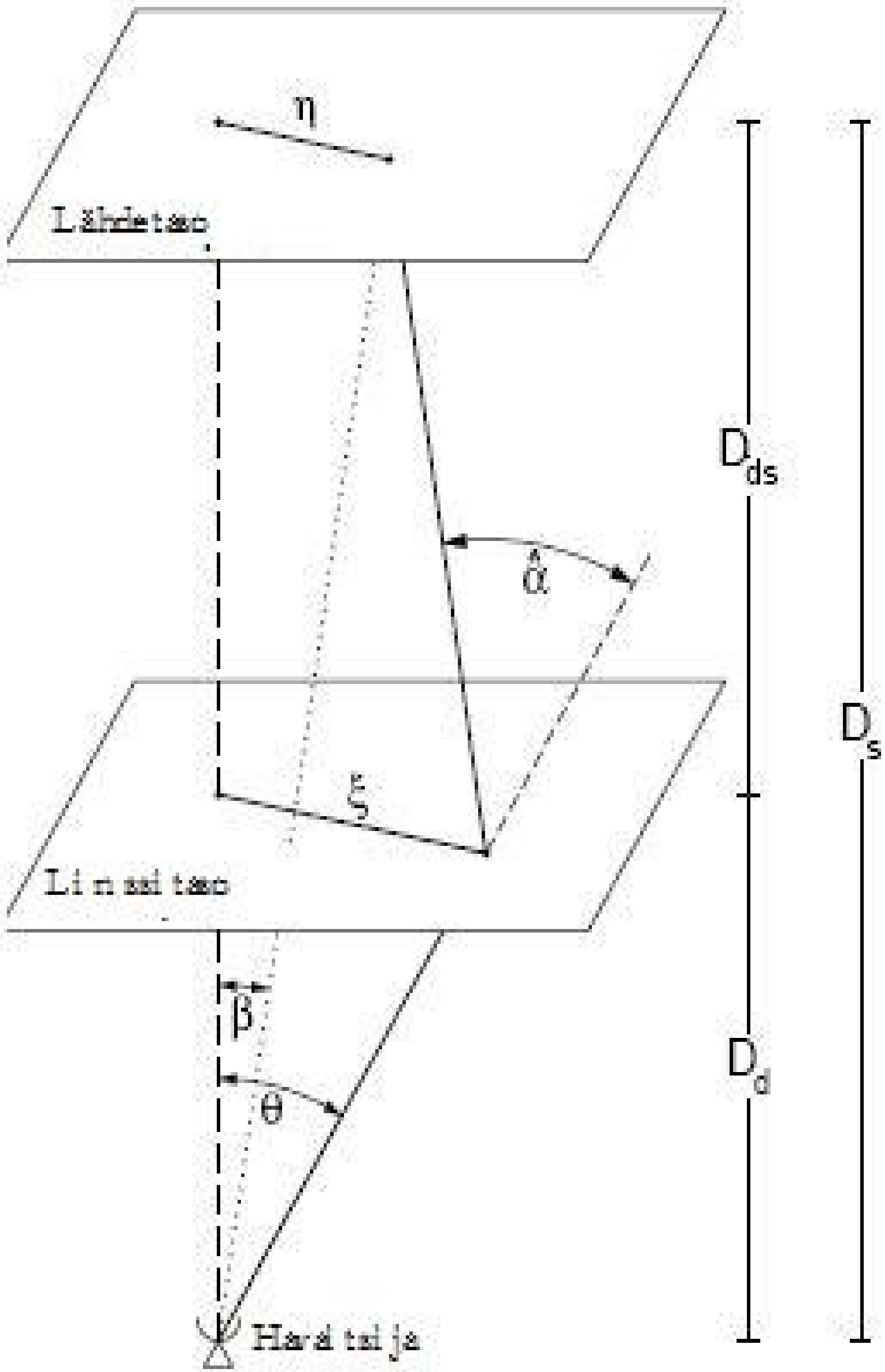
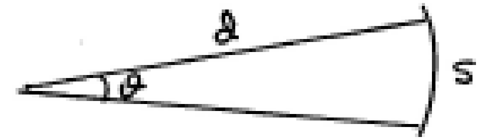






$$\theta = \frac{S}{d} .$$

$$\vec{\theta} D_s = \vec{\beta} D_s + \hat{\vec{\alpha}} D_{ds}$$

$$\vec{\alpha} = \frac{D_{ds}}{D_s} \hat{\vec{\alpha}}$$

$$\vec{\beta} = \vec{\theta} - \vec{\alpha}(\vec{\theta})$$

$$\hat{\vec{\alpha}} = \frac{4GM\vec{\xi}}{c^2|\vec{\xi}|^2}$$

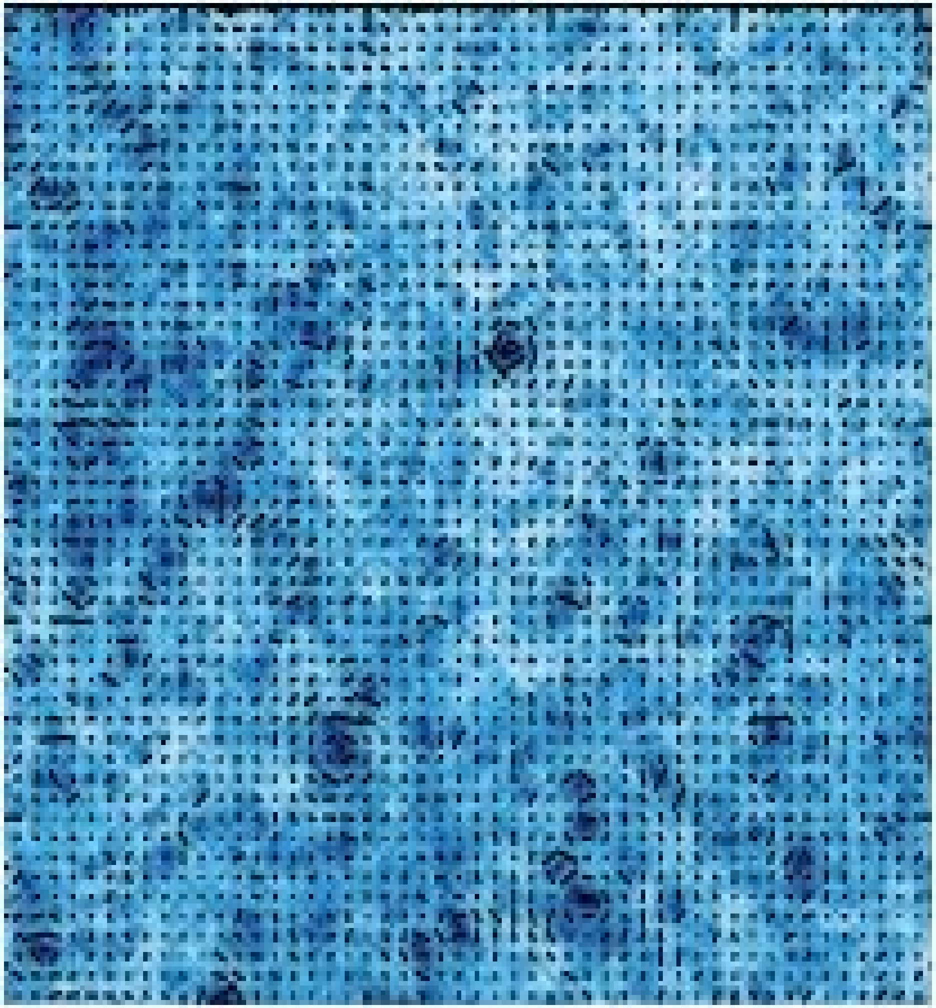
$$\kappa(\vec{\theta}) = \frac{\Sigma(D_d\vec{\theta})}{\Sigma_{cr}}$$

$$\Sigma = c^2 D_s/(4\pi G D_d D_{ds})$$

$$\psi(\vec{\theta}) = \frac{1}{\pi}\int d^2\theta' \kappa(\vec{\theta}') \ln|\vec{\theta} - \vec{\theta}'|$$

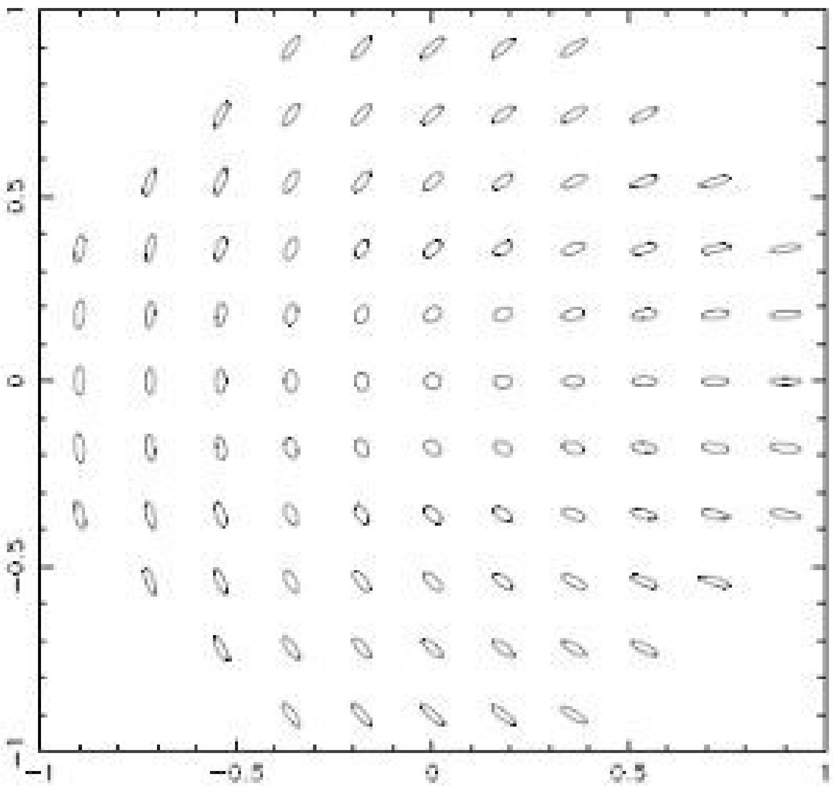
$$\kappa = \nabla^2\psi$$

$$\vec{\alpha} = \nabla\psi$$



$$\kappa = \nabla^2\psi = \psi_{,11} + \psi_{,22}$$

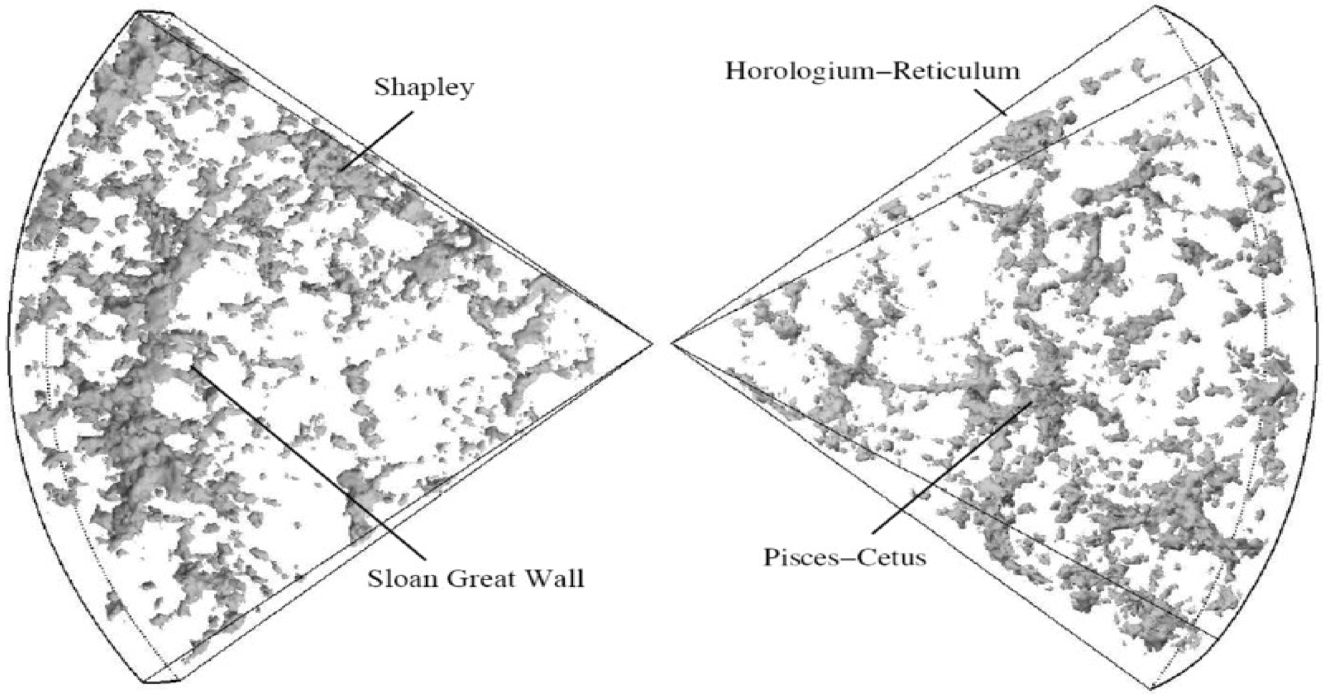
$$\gamma = \gamma_1 + i\gamma_2 = |\gamma|e^{2i\varphi} = (\psi_{,11} - \psi_{,22})/2 + i\psi_{,12}$$



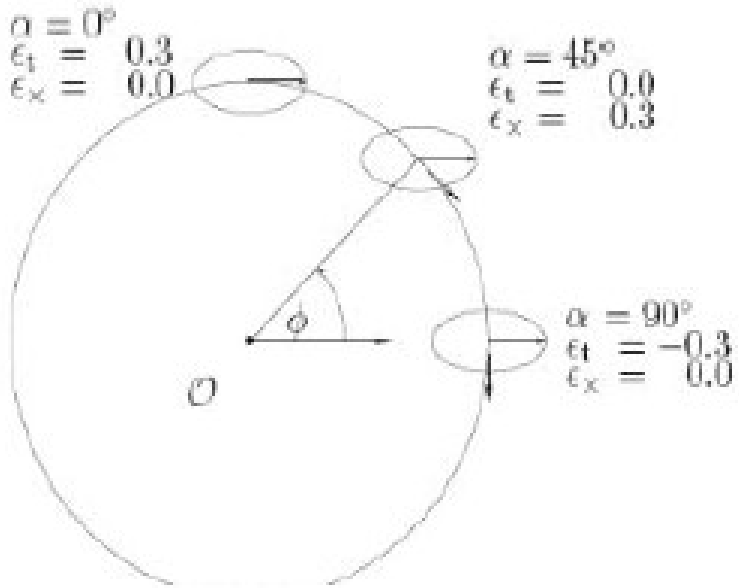
$$\epsilon = \epsilon_1 + i\epsilon_2$$

$$\epsilon \approx \epsilon^{(s)} + \gamma$$

$$E(\epsilon) = E(\epsilon^{(s)}) + \gamma$$



$$P_\kappa(k) = \frac{9H_0^4\Omega_m^2}{4c^4}\int_0^{w_h} dw \frac{g^2(w)}{a^2(w)} P_\delta\left(\frac{k}{f_K(w), w}\right)$$



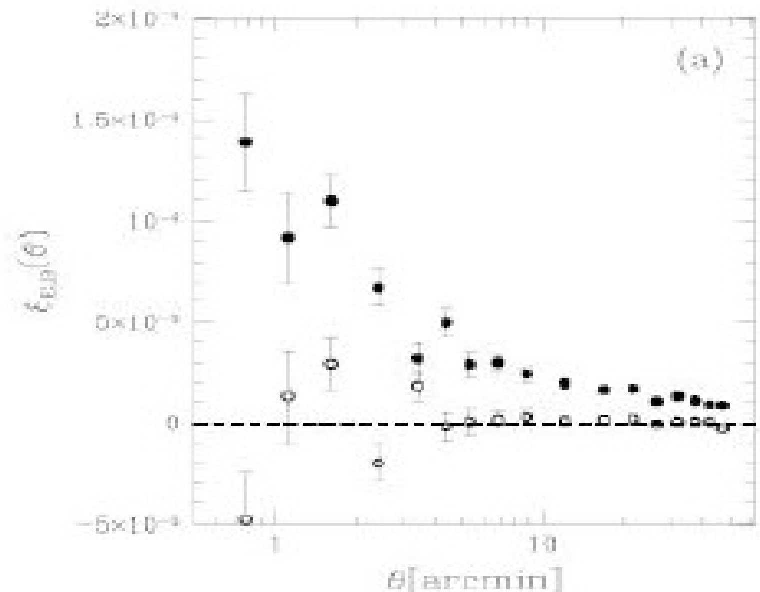
$$\gamma_t = -\mathrm{Re}\left(\gamma e^{-2i\phi}\right) \quad ; \quad \gamma_\times = -\mathrm{Im}\left(\gamma e^{-2i\phi}\right)$$

$$\epsilon_t = -\mathrm{Re}\left(\epsilon e^{-2i\phi}\right) \quad ; \quad \epsilon_\times = -\mathrm{Im}\left(\epsilon e^{-2i\phi}\right)$$

$$\xi_{\pm}(\theta) = \langle \gamma_t \gamma_t \rangle \pm \langle \gamma_\times \gamma_\times \rangle$$

$$\xi_{\pm}(\theta) = \langle \epsilon_t \epsilon_t \rangle \pm \langle \epsilon_\times \epsilon_\times \rangle.$$

$$\xi_+(\theta) = \int_0^\infty \frac{dl\,l}{2\pi} J_0(l\theta) P_\kappa(l) \quad ; \quad \xi_-(\theta) = \int_0^\infty \frac{dl\,l}{2\pi} J_4(l\theta) P_\kappa(l)$$



$$f(x_1, \cdots, x_n) = \frac{1}{(2\pi)^{n/2}\sqrt{\det(\mathrm{C})}} \times$$

$$\times \exp\left(-\frac{1}{2}[x_1 - \langle x_1 \rangle, \cdots, x_n - \langle x_n \rangle]\mathrm{C}^{-1}[x_1 - \langle x_1 \rangle, \cdots, x_n - \langle x_n \rangle]^T\right)$$

$$\chi^2 = \sum_{ij} (\xi_i(p) - \xi_i^{obs})\mathrm{C}^{-1}{}_{ij}(\xi_j(p) - \xi_j^{obs})$$