# P

Y a [a], [b], [a], [c], [a], n
D [d], [e], [e], [e], [f]

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[b]E S
[c]O N E
[d]G e m
[e]E S
[f]M P I

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## 2. NE

### 2. 1.

#### 2. 1.

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$$\left\langle O \quad (\vec{\rho}/\lambda) \right\rangle = \left\langle O \quad {}_{\phi_\epsilon} (\vec{\rho}/\lambda) \right\rangle \times \quad {}_{t} \, (\vec{\rho}/\lambda) \qquad ( \quad {}_{e}$$

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an $_{\epsilon_\perp}$, d v

$$\left\langle O \quad (\vec{\rho}/\lambda) \right\rangle = \left\langle O \quad {}_{\phi_{\epsilon_\parallel}} (\vec{\rho}/\lambda) \right\rangle \times \left\langle O \quad {}_{\phi_{\epsilon_\perp}} (\vec{\rho}/\lambda) \right\rangle \times \quad {}_{t} \, (\vec{\rho}/\lambda) \qquad ($$

T h i

$$\left\langle O \quad (\vec{\rho}/\lambda) \right\rangle = \quad \big( -\frac{1}{2}\bar{D}_{\phi_{\epsilon_\parallel}}( \quad \big) \times \quad \big( -\frac{1}{2}\bar{D}_{\phi_{\epsilon_\perp}}( \quad \big) \times \quad {}_{t} \, (\vec{\rho}/\lambda) \qquad ($$

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- $\left\langle O \quad {}_{\phi_\epsilon} (\vec{\rho}/\lambda) \right\rangle$ i $T$
- $O \quad {}_{t} \, (\vec{\rho}/\lambda)$ i e $T$
- $\left\langle O \quad {}_{\phi_{\epsilon_\parallel}} (\vec{\rho}/\lambda) \right\rangle$ i $T$
  ”m e an
- $\left\langle O \quad {}_{\phi_{\epsilon_\perp}} (\vec{\rho}/\lambda) \right\rangle$ i $T$
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$$D_{\phi_{\epsilon_\parallel}}( \quad \left\langle \left(\phi_{\epsilon_\parallel}( \quad {}_{\epsilon_\parallel}( \quad \right)^2 \right\rangle \qquad ($$

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$$\phi_{\epsilon_\parallel}( \quad \sum_i^N \epsilon_\parallel ( \quad {}_i( \quad = \qquad ($$

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$$D_{\phi_{\epsilon_\parallel}}( \quad \sum_i^N \sum_j^N \langle \ {}_\parallel \ \epsilon_\parallel \ \rangle \big(M_i( \ = \ {}_i( \quad \big) \ M_j( \quad {}_j( \quad \big) \qquad ( \ =$$

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$$\bar{D}_{\phi_{\epsilon_\parallel}}( \quad \sum_i^N \sum_j^N \langle \ {}_\parallel \ \epsilon_\parallel \ \rangle \quad {}_i \ ( \ = \quad {}_j \qquad ($$

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$$\bar{D}_{\phi_{\epsilon_\parallel}}( \quad \sum_i^N \langle \;_i\eta_i\rangle \;_i\, ( \quad \sum_{i=}^N \lambda_i V_i\, ( \;_i \quad {}_{=} \quad {}_i \qquad ($$

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$$PS\;_\parallel( \quad \Big\|\mathcal{F} \quad \big(\mathrm{e} \quad F\,\big)\Big\|^2 \qquad ($$

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## 2. 3.

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$$\sigma^2( \quad \left\langle \|O \quad {}_\infty( \quad {}_i( \quad \|^2 \right\rangle_i \qquad ($$

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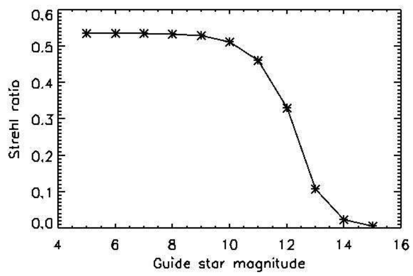


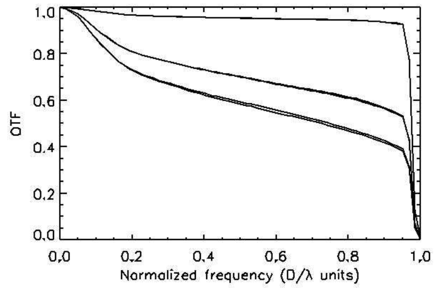


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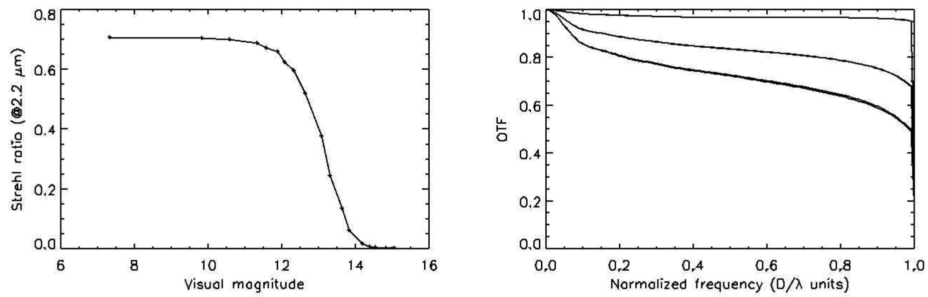


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$$s_m = \frac{\sum_i x_i . \quad _i + \quad _i)}{\sum_i S_i + \quad _i} = \left( \frac{\sum_i S_i}{\sum_i S_i + \quad _i} \right) . \left( \frac{\sum_i x_i . \quad _i}{\sum_i S_i} \right) + \frac{\sum_i x_i . \quad _i}{\sum_i S_i + \quad _i} \qquad (\,$$

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$$G \quad \frac{N_p}{N_p \quad + \quad _n} \qquad _o \approx \qquad (\,$$

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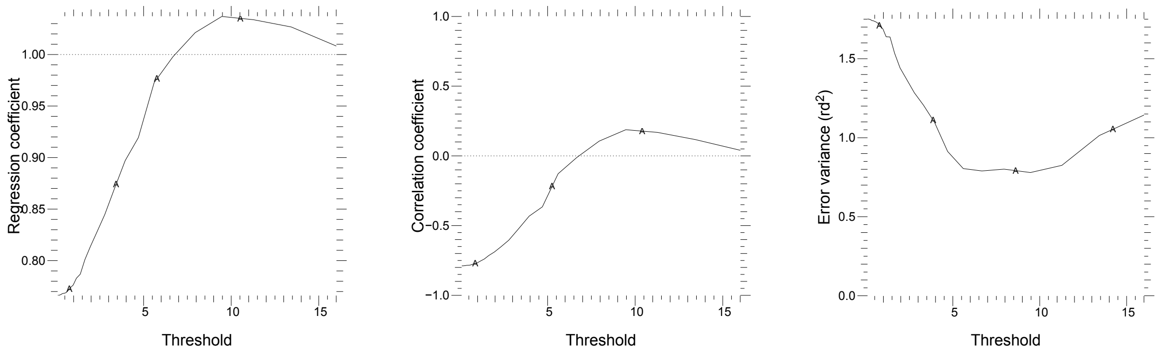


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## 4. NA

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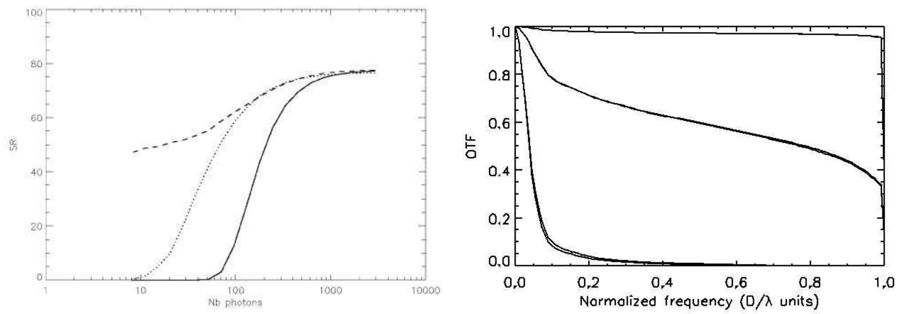


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**4.** **2.**

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$$\langle \; {}^{t}\rangle \quad \frac{\overline{n_z^2}}{\sum_i M_S^2 \; _i} M_S \quad M_S^t \qquad (\quad M \quad M \quad , \quad Z \quad j \quad , \quad j$$

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$$\bar{D}_{\phi_{\epsilon_\perp}}( \quad \frac{\int P( \quad {}_{\phi_{\epsilon_\perp}}(}{\int P(} \qquad ($$

$$= \frac{\left\langle \int P( \quad \left(\phi^2_{\epsilon_\perp}( \quad {}^2_{\epsilon_\perp}( \quad {}_{\epsilon_\perp}( \quad {}_{\epsilon_\perp}( \quad \right) d \right\rangle}{\int P(} \qquad ($$

$$= \frac{\langle C \quad {}^2_{\epsilon_\perp} P, \quad {}^2_{\epsilon_\perp} P) \quad {}_{\epsilon_\perp} P, \quad {}_{\epsilon_\perp} P)\rangle}{C} \qquad ($$

$$= \frac{\mathcal{F}^- \left(\langle \mathcal{F} \quad {}^2_{\epsilon_\perp} P) \quad {}^*( \quad {}^*( \; {}^2_{\epsilon_\perp} P) \quad {}_{\epsilon_\perp} P) \quad {}^*( \; {}_{\epsilon_\perp} P)\rangle\right)}{\mathcal{F}^- \left(| \quad {}^2\right)} \qquad ($$

$$= \frac{\mathcal{F}^- \left(2\left\langle \Re\left(\mathcal{F} \quad {}^2_{\epsilon_\perp} P) \quad {}^*( \quad \right) - \quad {}_{\epsilon_\perp} P) \quad {}^2 \right\rangle\right)}{\mathcal{F}^- \left(| \quad {}^2\right)} \qquad ($$

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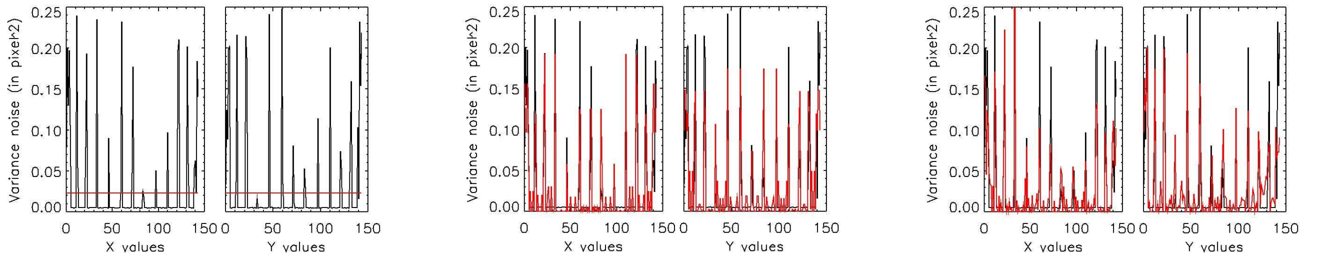
   b $^2_{s_i} = \sum_j M^2_{S \quad i} \; n^2_j,$ e $_,$
   f $^t\rangle$ or $_S$ .

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**4.** **3.**

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  e $^2_{s_i}$ s $^t\rangle$ s l
  m ${}_i$ al at ${}_i$
- c $^2_{z_i}$ w i om $^2_{z_i}$ al p
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  m ${}_i$ al at ${}_i$
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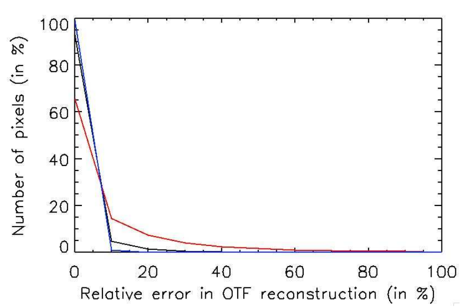


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