$$\text{avg intensity within R} \quad I_a(R) = \frac{\int_0^R I(r) 2\pi r dr}{\pi R^2}$$

$$\text{at the Petrosian radius } R_P \qquad I(R_P) = \eta \left( \frac{\int_0^{R_P} I(r) 2\pi r dr}{\pi R_P^2} \right)$$

$$F_P = \int_0^{kR_P} I(r) 2\pi r dr$$

$$C = \frac{r_{90}}{r_{50}}$$