Errata

Chapter 2, eq. (11):
When we ignore atomic reactions that create charged particles, the charge continuity equation holds:

$$\frac{\partial}{\partial t}\rho + \nabla \underline{j} = 0,$$

where ρ is a charge density:

$$\rho = \sum_{\alpha} q_\alpha n_\alpha$$

Chapter 2.6.2, eq.(48):
where the dimensionless sheath dissipation parameter σ is given by:

$$\sigma = \frac{2C_s l^2}{\gamma L_\parallel \rho_s}$$

Chapter 3.2, p.27:

$$\left\langle \frac{\partial \Omega}{\partial t}^N + \{\phi^N, \Omega^N\} + \frac{\partial \theta^n}{\partial y} - \mu \nabla_\perp^2 \Omega^N - \mathcal{L}_\Omega(\phi^N), v \right\rangle = 0,$$

$$\left\langle \frac{\partial \theta}{\partial t}^N + \{\phi^N, \theta^N\} - \kappa \nabla_\perp^2 \theta^N - \mathcal{L}_\theta(\phi^N), v \right\rangle = 0,$$

References:

Ref. [1]: Jet - europes largest fusion device. http://www.jet.efda.org, May 2010

Ref. [2]: O.E. Garcia. 2dads documentation. ftp.risoe.dk/pub/plf/erga/numeric/torpex/2dads.pdf