Equations of motion of the disperse phase -II

- $C_W = C_W(Re_P)$ obtained from correlations by Morsi/Alexander
- $C_A = 6.48$ from Saffman
- $C_M = (0.4 \pm 0.1) \sigma$ for $|\sigma| \le 1$; $C_M \equiv (0.4 \pm 0.1)$ for $|\sigma| < 1$
- $\xi_m = \xi_m(Re_\omega)$ from Sawatzki
- Source terms in the Navier–Stokes equations due to momentum transfer between phases (PSI–cell model by C.T. Crowe) :

