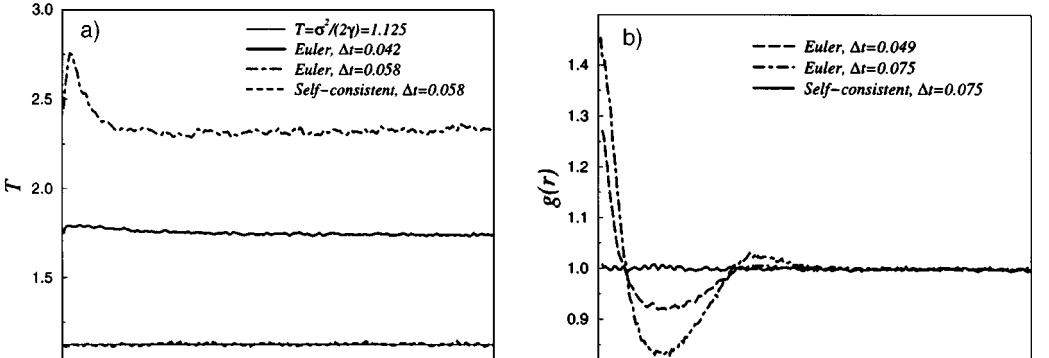

Fig. 1. – Comparison of the equilibrium properties of an ideal 2D DPD gas with the self-consistent and the Euler algorithms, for σ=1.5, $\gamma = 1$, $n = 25$, $L = 10r_c$, $r_c = 4$. a) Measured and imposed temperature; t is the time in units of $r_c\sqrt{m/(2k_BT)}$. b) Radial distribution function.