Computer simulation of polymer models in bulk and in confinement: *supplementary material*

Geevarghese George†[1] and Hendrik Meyer[1]

[1]Theory and Simulation of Polymers Group (ETSP), Institut Charles Sadron,
UPR22 CNRS, 23 rue du Loess, 67034 Strasbourg Cedex 2, France

†Corresponding author: ggeorge@etu.unistra.fr

1. Pair Distribution Function

It shown in Figure A1. It is clear that these systems have the same melt distribution at discrete chain lengths. Slight increase in the peaks is seen since the chains pack closely in the melt under confinement, but is considered to be insignificant. The same can be said about intra-chain pair distribution function shown in Figure A2.
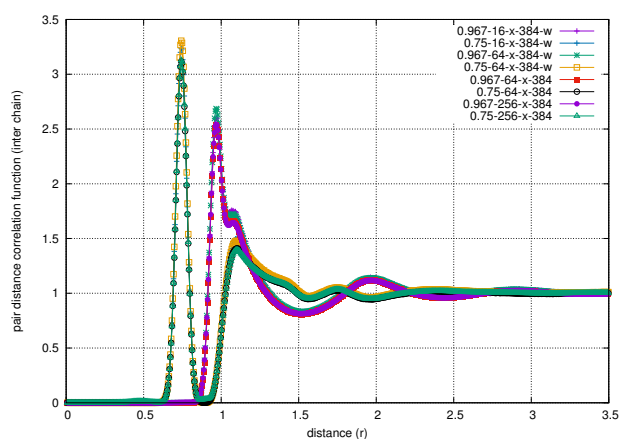
Figure A1. Interchain pair distribution function for
$N = 16, 64$ *and* 128 *shows identical behaviour and is*
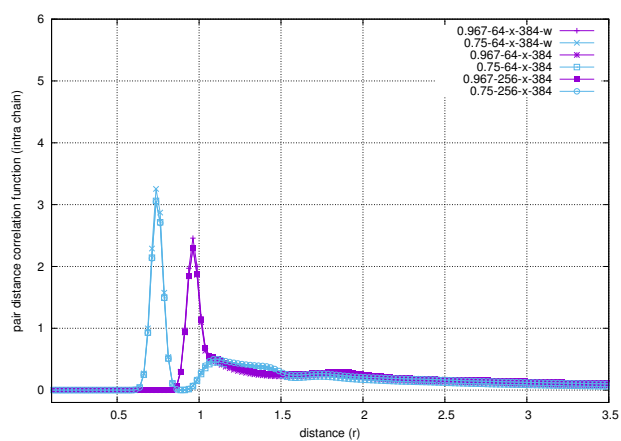*independent of chain length or confinement*

Figure A2. Intra-chain pair distribution function with and
without confinement for $N = 64$ *and* 128 *shows no*
charachterestic difference