

## **148j Helical Structure from an Isotropic Homopolymer Model**

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We present Monte Carlo simulation results for a square-well homopolymer model at different bond lengths. The model only contains isotropic interactions, which under appropriate conditions the system shows spontaneous chiral symmetry breaking meaning that the chain exists either in a left- or right handed helical structure. We investigate how this behaviour depends upon the ratio between bond length and monomer radius.