The XYZ-model in a magnetic field

UTE LÖW, Institut fuer Physik, Universitaet Dortmund, 44221 Dortmund — We present a numerical study of the one-dimensional XYZ-model in a magnetic field. In particular we discuss DMRG- and Lanczos results for the gaps, the staggered and uniform magnetisation, the phase diagram and the quantum critical point of the model. We also consider thermodynamic properties.