

SPONTANEOUS MAGNETIZATION OF QUANTUM
XY-CHAIN FROM FINITE CHAIN FORM-FACTORS

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S u m m a r y

Using the explicit factorized formulas for matrix elements (form-factors) of the spin operators between the eigenvectors of the Hamiltonian of a finite quantum XY-chain in a transverse field, the spontaneous magnetization for σ^x and σ^y is re-derived in a simple way.