Title of Article: Mean-Field Analysis Of The Layering Transitions Of The Spin-$\frac{1}{2}$ Ising Model In A Transverse Magnetic Field

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Abstract: The effect of the transverse and longitudinal magnetic field on the layering transition of the spin-$1/2$ Ising model was investigated using the mean field theory. The spin variables used for layering phase transition reveals its nature as ‘glassy’. It was shown that (under the spin-$1/2$ Ising model) there were no significant result when N>2 in the presence of transverse magnetic field.