

# Length Changing Supersymmetry in Integrable Spin Chains

*Tuesday 27 August 2013 16:00 (1 hour)*

We investigate the integrable  $gl(m|n)$  nearest-neighbor spin chains in the rational and trigonometric case and identify the allowed representations and values of the deformation parameter  $q$  for which there exist length-changing symmetry generators that commute with the transfer matrix.

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