Structure and Properties of Non-classical Polymers. XV. 1D Polymers Possessing Two Bands with Ferromagnetically Coupled Electrons*

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The energy spectra and magnetic properties of a new class of non-classical (non-Kekulé) 1D polymers, having two bands with magnetically coupled electrons, have been investigated by many-electron band theory.

\textit{Key words:} Non-classical 1D Polymers, Molecular Magnets, Polymers with Two Half-filled Bands