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## Some theoretical aspects of magnetars

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Compact stars with strong magnetic fields (magnetars) have been observationally determined to have surface magnetic fields of order of  $10^{14}$ – $10^{15}$  G, the implied internal field strength being several orders larger. We discuss the effect of strong field on the dense matter expected to be inside neutron stars and so called quark stars and hybrid stars. We also discuss its effect on some observational effect which depend the nature and composition of matter inside neutron stars.

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