# TEMPERATURE DEPENDENCE OF $^{57}$Fe-MÖSSBAUER SPECTRA FOR A $Fe^{II}_{Fc} - Fe^{II}_{tpy} - Fe^{II}_{Fc}$ TRINUCLEAR SYSTEM

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**Abstract.** $^{57}$Fe Mössbauer spectra were recorded for 1'-terpyridine ferrocenecarboxylic acid and [bis(1'-terpyridine ferrocenecarboxylic acid) Fe(II)]$^{2+}$ in the temperature range 7 – 293 K. The temperature dependence of the Quadrupole Splitting, Isomer Shift and Debye-Waller factor are discussed. The Debye temperature for the iron nuclei in the investigated compounds was determined.

**Keywords:** ferrocene, terpyridine, Mössbauer, Debye temperature.

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