Quantum Limit in a Magnetic Field for Triplet Superconductivity in a Quasi-One-Dimensional Conductor[1] ANDREI LEBED, OTAR SEPPER, Department of Physics, University of Arizona — We theoretically consider the upper critical magnetic field, perpendicular to a conducting axis in a triplet quasi-one-dimensional superconductor [1]. In particular, we demonstrate that, at high magnetic fields, the orbital effects against superconductivity in a magnetic field are reversible and, therefore, superconductivity can restore. It is important that the above mentioned quantum limit can be achieved in presumably triplet quasi-one-dimensional superconductor $Li_{0.9}Mo_6O_{17}$ [J.-F. Mercure et al., Phys. Rev. Lett. **108**, 187003 (2012)] at laboratory available pulsed magnetic fields of the order of $H = 500 - 700$ T. [1] A.G. Lebed and O. Sepper, Phys. Rev. B **90**, 024510 (2014).

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