

Abstract Submitted
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Four-electron quantum dot molecule in a magnetic field SHALVA
TSIKLAURI, Ass.Prof., ROMAN KEZERASHVILI, Professor — In the present pa-
per we report calculations of four-electron quantum dot and four-electron quantum
dot molecule in a magnetic field by using Hyperspherical Functions Method. The
obtained results are compared with those obtained by several approximate meth-
ods. The ground state properties and the spin and angular momentum transitions
for different electron interaction strengths and magnetic fields are obtained.

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