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Circular arrangements of atoms: solving Schrödinger's equation for the energy spectrum MATTHEW GOLDEN, MELLITA CARAGIU, Ohio Northern University — Schrödinger's equation is used for a quantum particle confined to move in a circle of radius R. the particle encounters a zero potential almost everywhere, except for when it comes across delta function potentials of strength p, situated symmetrically around the ring. The energy spectrum for this system is analyzed in various cases of attractive or repulsive potentials and positive or negative total energy of the particle.

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