

## Problems Solutions Quantum Mechanics Eugen Merzbacher

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Problems Solutions Quantum Mechanics Eugen Merzbacher The book by Shankar is very readable and seems to be well-received by students at the level between grad./undergrad, and develops the subject starting from matrix mechanics and vector spaces, rather than the more usual approach using the Schrodinger equation and wave mechanics.

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2 • Quantum Mechanics: 500 Problems with Solutions as quanta of energy  $h\nu$ , where  $\nu$  is the frequency of radiation. The individual quanta of light are called photons. Einstein's photoelectric equation  $1/2 m v^2 = h\nu - \phi$  (1.4) explained all aspects of photoelectric effect. In Eq. (1.4),  $h\nu$  is the energy of the incident photon,  $h\nu_0$

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