



## Intermediate physics for medicine and biology /

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Monografía

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**Contenido:** 1. Mechanics -- 2. Exponential growth and decay -- 3. Systems of many particles -- 4. Transport in a infinite medium -- 5. Transport through neutral membranes -- 6. Impulses in nervy and muscle cells -- 7. The exterior potential and the electrocardiogram -- 8. Biomagnetism -- 9. Electricity and magnetism at the cellular level -- 10. Feedback and control -- 11. The method of least squares and signal analysis -- 12. Images -- 13. Sound and ultrasound -- 14. Atoms and light -- 15. Interaction of photons and charged particles with matter -- 16. Medical uses of X-rays -- 17. Nuclear phisycs and nuclear medicine -- 18. Magnetic resonance imaging -- A. App. A: Plane and solids angles -- B. App. B: Vectors; displacement, velocity, and acceleration -- C. App. C: Properties of exponents and logarithms -- D. App. D: Taylors series -- E. App. E: Some integrals of sines and cosines -- F. App. F: Linear differential equations with constant coefficients -- G. App. G: The mean and standard deviation -- H. App. H: The binomial probability distribution -- I. App. I: The Gaussian probability distribution -- J. App. J: The poisson distribution -- K. App.

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