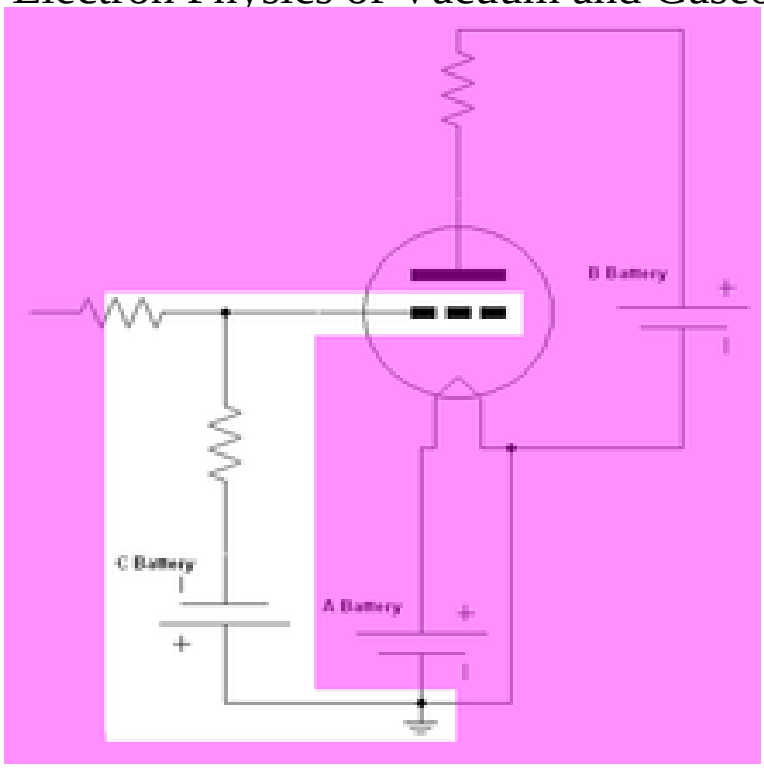
Electron Physics of Vacuum and Gaseous Devices



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emitted. Adding one or two special appendages to the tube (regulators or regenerative devices) helped control the gas The physics of a gas discharge tube are complicated, and I only to have too high a vacuum (too low a gas pressure) to be usable.Low vacuum scanning electron microscopy (SEM) is a high-resolution technique, with the electrons give rise to contrast mechanisms that are unique to these instruments. . generic issues are being discussed such as electron-gas inter-.A Differentially Pumped Secondary Electron Detector for Low-Vacuum * Department of Physics, University of York, Heslington, York, U.K.; Tescan s.r.o., Brno, Czech .. Danilatos GD: Theory of the gaseous detector device in the ESEM.