Image intensifiers, optical and television systems

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- A. Image intensifiers
 - 1. Design
 - a. Input phosphor
 - b. Photocathode
 - c. Accelerating potential
 - d. Electron optics
 - e. Anode
 - f. Output phosphor
 - 2. Operation
 - 3. Gain
 - a. Brightness gain
 - i. Minification gain
 - ii. Flux gain
 - b. Conversion factor
 - 4. Image quality
 - a. Statistical consideration
 - b. Contrast
 - c. Resolution
 - d. Distortion
 - 5. Dual- and three-field intensifiers
 - 6. Automatic brightness control
 - a. Reasons for

- b. Methods
 - i. mamp control
 - ii. kV control
 - iii. Pulse width control
 - iv. Combinations
- c. Use and problems
- B. Viewing (optical and television systems)
 - 1. Systems
 - a. Mirror optics
 - b. Television
 - i. Camera tubes
 - ii. Monitors
 - c. Biplane systems and associated problems
 - 2. System evaluation
 - a. Description
 - b. Resolution and contrast
 - c. Patient exposure
 - d. Advantages and disadvantages