

APLANATIC

Meaning: APLANATIC: relating to a lens or optical system designed to eliminate spherical aberration, resulting in clearer images.

1. An aplanatic lens design minimizes spherical aberration for clearer images.
2. The telescope's aplanatic configuration allowed astronomers to observe distant celestial bodies with remarkable clarity.
3. In optics, aplanatic surfaces are essential for achieving high-quality imaging without distortions.
4. The engineers focused on creating an aplanatic system to enhance the performance of the camera.
5. APLANATIC conditions are crucial for precise measurements in optical experiments.
6. She explained that an aplanatic design contributes to better focus and detail in photographs.
7. The aplanatic nature of the microscope lens improved the resolution of the samples under observation.
8. Optical devices that incorporate aplanatic principles are preferred in scientific research.
9. His research paper detailed the advantages of aplanatic optics in modern telescopes.
10. To achieve aplanatic performance, the lens curvature must be carefully calculated.

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