

APLANATISM

Meaning: Aplanatism is the quality of a lens design that minimizes optical aberrations to produce clearer images.

1. Aplanatism in optics refers to the design of lenses that minimize optical aberrations.
2. The new telescope features advanced aplanatism, allowing for clearer images of distant stars.
3. Understanding aplanatism is crucial for photographers who seek sharp focus across the entire frame.
4. The engineer explained how aplanatism is achieved through precise lens curvature and alignment.
5. In high-quality microscopes, aplanatism ensures that specimens are viewed without distortion.
6. The concept of aplanatism revolutionized the development of modern photographic equipment.
7. Aplanatism plays a significant role in the field of astronomy, where clarity is essential.
8. Many camera manufacturers emphasize aplanatism in their premium lens offerings.
9. Optical scientists continue to research innovative ways to enhance aplanatism in new designs.
10. The principle of aplanatism allows for greater versatility in capturing images with minimal flaws.

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