

Ernest Abbe, 1840-1905

Nauka - Ernst Abbe

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Opticians -- Germany -- Biography
Abbe, Ernst, -- 1840-1905. Ernest Abbe, 1840-1905

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Ernst Abbe Biography (1840)

New York, NY: American Society of Civil Engineers.

Ernst Abbe (1840)

Helmholtz was so impressed as to offer a professorship at the , which he refused due to his ties to Zeiss. By 1870, Abbe invented the , used for microscope illumination. He left us with numerous publications of his findings, inventions, and discoveries.

Ernst Abbe (1840)

In 1896, he reorganized the Zeiss optical works into a cooperative with profit-sharing. Journal of the Royal Microscopical Society. However, Abbe had been approached by Carl Zeiss in 1866 with various optical problems.

Ernst Abbe (1840)

In 1868 he invented the apochromatic lens system for the microscope. Journal of the Royal Microscopical Society.

Abbe, Ernst, 1840

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Ernst Abbe Biography (1840)

Abbe was the first to define the term , as the sine of the half angle multiplied by the refractive index of the medium filling the space between the cover glass and front lens. Abbe was an intimate friend of Haeckel and shared his atheism or Monism.

Ernst Abbe

Ernst Abbe

However, neither Zeiss nor his employees possessed the scientific knowledge to design such instruments.

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