CLAIMS

[Claim 1] An ophthalmological lens suppressing progression of near-sightedness using a monochromatic aberration of a pencil that is a bundle of rays passing through the ophthalmological lens and passing through a pupil, the ophthalmological lens comprising:

a wavelength filter for attenuating light of a long wavelength longer than a dominant wavelength in a range of 500 to 585 nm;

a predetermined location (AP);

a base portion (BP) that is a portion adjacent to the predetermined location (AP);

a passing region through which the pencil travels,

wherein light is focused on a retina as well as a location other than the retina due to the predetermined location (AP) and the base portion (BP),

wherein the predetermined location (AP) satisfies at least one of conditions (1) to (3) as follows:

(1) the predetermined location (AP) includes a convex portion region that protrudes from the base portion (BP) of at least one of an eyeball-side surface and an object-side surface of the ophthalmological lens so as to focus a portion of the pencil on an overfocus side relative to the retina, and more than one of the predetermined locations (AP) are surrounded by the base portion (BP),

(2) the predetermined location (AP) includes a diffraction structure on at least one of the eyeball-side surface and the object-side surface of the ophthalmological lens so as to focus a part of the pencil on the overfocus side relative to the retina using a diffractive action of the predetermined location (AP), and

(3) the predetermined location (AP), which is provided on at least one of the eyeball-side surface and the object-side surface of the ophthalmological lens, includes a different-refractive-index-material region having a refractive index different from the

refractive index of the base portion (BP), so as to focus a part of the pencil on the overfocus side relative to the retina using a reciprocal action of the predetermined location (AP) and the base portion (BP), wherein by passing the pencil through the passing region with a diameter of 4 mm, in which both of the predetermined location (AP) and the base portion (BP) are encompassed, a high-order monochromatic aberration having a fourth order or higher is added to the pencil.

[Claim 2] The ophthalmological lens according to claim 1, wherein the dominant wavelength is in a range of 532 to 575 nm.

[Claim 3] The ophthalmological lens according to claim 1 or 2, wherein the wavelength filter attenuates light with a wavelength in a range of 564 to 570 nm.

[Claim 4] The ophthalmological lens according to any one of claims 1 to 3, wherein the ophthalmological lens is an eyeglass lens.