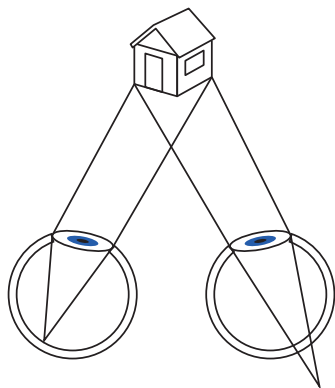


# ANISOMETROPIA

A SHORT GUIDE FOR YOU  
AS AN OPTOMETRIST



# Anisometropia can give aniseikonia and anisophoria — a short guide for you as an optometrist

## **A difference between the eyes can cause two problems**

- Aniseikonia – the difference in image size
- Optical anisophoria – the prismatic difference due to spectacle correction

## **Aniseikonia**

In case of more than two diopters difference, aniseikonia compensation should be considered. These are three ways to determine when and how you should compensate for differences in image size:

### **1. Ask for aniseikonia grinding**

- Multilens calculates and minimizes the difference in spectacle enlargement.
- You get a suggestion for appropriate compensation based on what the refraction gives in enlargement or minification, and what is technically possible.
- In some cases, grinding does not neutralize all aniseikonia, but in most cases, you will get a satisfying result.

### **2. Assessment with ML Grand trial lenses**

- If possible, evaluate the image size difference with aniseikonia tests.
- Try with ML Grand lenses, for example, 3% or 6% on the eye with lowest plus or highest minus (1D difference equals about 1% in ML Grand lenses).
- Order the required compensation.



### **3. Use an aniseikonia test**

- Get compensation values from tests such as Awaya or Aniseikonia Inspector.

## Optical anisophoria

Be aware of the prismatic effects in the spectacles when having anisometropia. Perform a simple "pen test" to reveal the anisophoria vertically.



- Short corridors in progressive spectacles – smaller prismatic difference
- The most common is that slab-off is needed in case of double image in the 'near part' of multifocal eyeglasses



**Multilens offers warranty exchange for these corrections, so you might want to try the least complicated solution first.**

The most common is aniseikonia compensation without slab-off.

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