

REFRACTIVE TEST CARD AND MEASUREMENT METHOD THEREFOR

ABSTRACT

A set of refractive test cards (30, 40, 50) and measurement methods therefor are provided. The test cards (30, 40, 50) involve optotypes (32, 42, 52) under a black background (31, 41, 51). The optotypes (32, 42, 52) comprise a partition unit (33, 43, 53). The partition unit (33, 43, 53) visually separates the optotypes (32, 42, 52). The methods comprise: determining whether a subject has astigmatism based on sharpness of contrast between optotypes (32, 42) and a black background (31, 41); in response to determining that the subject has astigmatism, determining an astigmatic axis; determining whether the subject has myopia or hyperopia based on sharpness of contrast between an optotype (52) and a black background (51); and measuring and calculating a spherical dioptric power and an astigmatism dioptric power of the eyes of the subject.

<FIG. 11>