

TITLE OF INVENTION: VISUAL TRAINING METHOD AND SYSTEM BASED ON DICHOPTIC VIEWING

ABSTRACT

The present disclosure provides a visual training method and system based on dichoptic viewing. The method includes: determining a dominant eye and an amblyopic eye of a user based on obtained binocular visual-acuity information of the user and respectively creating image display channels for the dominant eye and the amblyopic eye of the user through a preset dichoptic viewing technology; simultaneously displaying preset first training images on the dominant-eye display channel and the amblyopic-eye display channel; performing a Gaussian blur on the first training images on the dominant-eye display channel through a preset eye tracking technology and a preset Gaussian blur function; displaying a plurality of second training images after the Gaussian blur on the dominant-eye display channel while displaying the first training images on the amblyopic-eye display channel to enable visual training of the user; and completing the visual training of the user when visual training duration of the user reaches a preset time threshold. This improves a visual training effect.

FIG. 1