

The proposed method for determining the position of a measuring vertical line from the vessel board, using a reverse geodetic mark, implies measuring water depth, photographing landmarks, and processing data. The method consists in providing the panoramic scanning of the landmarks relative to the vertical axis and photographing the landmarks within discrete time intervals of the exposition, processing the photographic images by a photoelectric analyzer, superimposing the adjacent frames of the landmark images with overlapping, and determining the angles between the landmarks by the lengths of the intervals between the image elements with consideration for the vessel velocity during photographing.