

ABSTRACT

The present disclosure relates to a pose estimation method and device, an electronic apparatus, and a storage medium, the method comprising: performing keypoint detection processing on a target object in an image to be processed to obtain a plurality of keypoints of the target object in the image to be processed and a first covariance matrix corresponding to each keypoint; screening out a target keypoint from the plurality of keypoints in accordance with the first covariance matrix corresponding to each keypoint; and performing pose estimation processing in accordance with the target keypoint to obtain a rotation matrix and a displacement vector. According to the pose estimation method of the embodiments of the present disclosure, it is possible to obtain, by keypoint detection, keypoints in an image to be processed and the corresponding first covariance matrices; to remove, by screening keypoints in accordance with the first covariance matrices, mutual interference among keypoints so as to increase accuracy of a matching relationship; and to remove, by screening keypoints, keypoints that cannot represent the pose of a target object so as to reduce the error between an estimated pose and a real pose.

