

ABSTRACT

The present disclosure discloses depth recovery methods and apparatuses for a monocular image, computer devices, computer-readable storage media, and computer programs. The method includes: performing feature extraction on a monocular image to obtain a feature image
5 of the monocular image; decoupling the feature image to obtain a scene structure graph of the feature image; performing gradient sensing on the feature image and the scene structure graph to obtain a region-enhanced feature image; and performing depth estimation according to the region-enhanced feature image to obtain a depth image of the monocular image.

[FIGURE 1]