

ABSTRACT

OBJECT TRACKING USING OBJECT ATTRIBUTES

Methods, systems, and apparatus, including computer programs encoded on computer storage media, for tracking objects over a sequence of images. In one aspect, a process includes receiving data specifying visual attributes of a particular object detected in an image. Data specifying visual attributes of a tracked object is identified. A level of similarity is determined between the particular object and the tracked object based on comparison of visual attributes of the particular object with corresponding visual attributes of the tracked object. A first normalization function is used to normalize a level of similarity between first corresponding visual attributes of the particular object and the tracked object. A second normalization function is used to normalize a level of similarity between second corresponding visual attributes of the particular object and the tracked object. A determination is made, based on the level of similarity, whether the particular object matches the tracked object.

Fig. 1