

**ROBUST CAMERA PAN VECTOR ESTIMATION USING ITERATIVE CENTER OF
MASS**

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Methods and apparatus, including computer program products, implementing and using techniques for camera pan vector estimation, are disclosed. A camera model is provided for representing motion vectors based on a plurality of parameters. A distribution of the motion vectors is generated. A cluster in the distribution of motion vectors is identified. A center of mass of the identified cluster is determined. The camera pan vector is provided based upon the determined center of mass.

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