

Technology: [Contextual image stabilization](#)

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Abstract

Image stabilization systems and methods include a detector configured to detect images, an actuator coupled to the detector, a sensor coupled to the detector and configured to detect motion of the detector, and an electronic processor in communication with the sensor and the actuator, where the electronic processor is configured to, for example: (a) receive information about motion of the detector from the sensor; (b) determine components of the motion of the detector, and associate a class with each of the determined components; (c) identify components to be compensated from among the determined components based on the associated classes; and (d) generate a control signal that causes the actuator to adjust a position of at least a portion of the detector to compensate for the identified components.