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Cover legend: Motion direction biases in human primary visual cortex (V1) measured using functional magnetic resonance imaging (fMRI). Each circle corresponds to an fMRI voxel, the coordinates of which represent the location in the visual field encoded by the voxel relative to center of the motion stimulus. The color of each circle indicates the preferred motion direction of the voxel. Circle size is proportional to the strength of the direction-selective bias. Direction preferences depend on the stimulus: voxels corresponding to the edge of the stimulus aperture prefer directions toward the aperture center.

This organization of response biases across voxels explains multivariate decoding for motion direction and demonstrates that motion decoding has little or no dependence on the direction-selective columnar organization in cortex. For more details, see the article by Wang et al. (pages 12601–12615).

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12616 *Addendum:* The article “Low-Level Image Properties of Visual Objects Predict Patterns of Neural Response across Category-Selective Regions of the Ventral Visual Pathway”, by Grace E. Rice, David M. Watson, Tom Hartley, and Timothy J. Andrews, appeared on pages 8837–8844 of the June 25, 2014 issue. An addendum to this article appears on page 12616.

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