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Cover picture: Phase comparison circuit in the electrosensory lateral line lobe of an electric fish, *Gymnarchus*. A transverse section of bilateral lobes in which colored camera lucida drawings of intracellularly filled primary afferents (*blue*) and giant cells (*red* and *yellow*) are shown. Neurons sensitive to phase differences as small as a few microseconds arise at the inner cellular layer of the lobe where the afferents and giant cells, which represent phases of the different body areas, terminate. For details, see the article by Kawasaki and Guo in this issue (pp. 380–391).

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