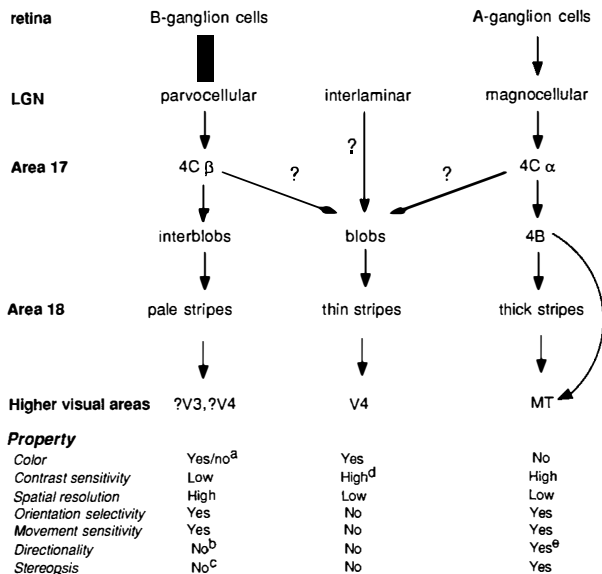


Table 2. Summary of the major subdivisions and connections of the primate geniculocortical visual system



^a Cells beyond 4C β do respond to color-contrast borders but are not overtly color-coded.

^b At least it is not prominent.

^c In anesthetized animals, we have seen only a few stereotuned cells in upper-layer area 17 (Livingstone and Hubel, 1984b; see also Hubel and Wiesel, 1970). In attentive animals, cells coded for stereoscopic depth have been reported both above and below layer 4C of area 17, but are especially concentrated in layer 4B (Poggio and Fischer, 1977; Poggio et al., 1985; G. F. Poggio, personal communication). We do not understand these differences in results, but one possibility is that the stereo mechanisms are built up in 18, and the stereotuning in 17 is the result of a back projection that is suppressed by anesthesia.

^d By deoxyglucose (Tootell et al., 1985).

^e Rare in thick stripes in area 18 but very common in layer 4B of area 17 and in MT.