Table 7. Summary of the correlation between human psychophysical results and the physiological properties of the three subdivisions of the primate geniculocortical visual system.

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MAGNO SYSTEM					PARVO → INTERBLOB SYSTEM		
Physiology {	color selectivity no	contrast sensitivity high	temporal resolution fast	spatial resolution low	Physiology		
Human vision					Human vision		
Movement perception					Shape discrimination		
movement detection	✓	✓	✓	✓	orientation discrimination 🗸 🗸 🗸		
apparent movement	✓	✓	✓	✓	shape discrimination \checkmark \checkmark		
Depth cues							
stereopsis	✓	✓	✓	✓			
interocular rivalry	✓			√			
parallax	√						
depth from motion	✓	✓			PARVO+MAGNO → BLOB SYSTEM		
shading	✓	✓	_				
contour lines	✓			✓	color contrast temperal spatial		
occlusion	✓				Physiology selectivity sensitivity resolution resolution yes high slow low		
perspective	✓	✓	✓	✓			
Linking properties					Human vision		
linking by movement	✓	✓			Color perception		
linking by collinearity (illusory borders)		✓	✓	✓	color determination ✓ ✓ ✓		
figure/ground discrimination	✓				flicker photometry		

A check indicates that the psychophysical results are consistent with the physiology, and a blank indicates that the experiment has not been done.