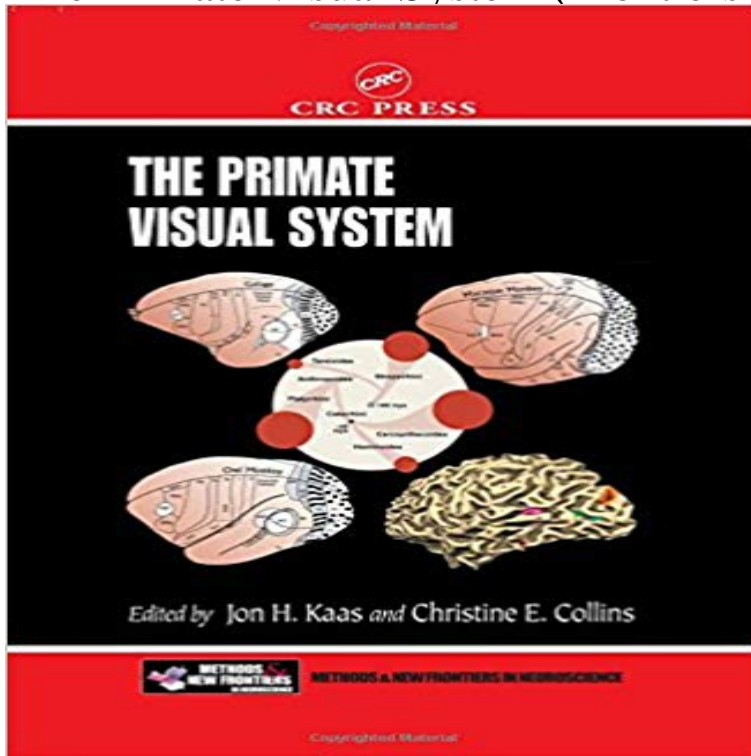


The Primate Visual System (Frontiers in Neuroscience)



The last 20 years of research have been marked by exceptional progress in understanding the organization and functions of the primate visual system. This understanding has been based on the wide application of traditional and newly emerging methods for identifying the functionally significant subdivisions of the system, their interconnections, the response properties of their neurons, and the population responses to stimulus events. While primates vary greatly in morphology and behavioral adaptations, all primates share certain features of the visual system. Although there are several books on vision in the market, until now no book has provided a comprehensive overview of the primate visual system. This book synthesizes the current knowledge on the anatomical and functional organization of the primate visual system and proposes new directions for research. Contributed by a multidisciplinary group of leading researchers, chapters consider a range of topics concerning various primates, including humans, and cover processing from the eye to neural codes for action, and from basic perception to memory.

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