



## Background Subtraction: Theory and Practice (Paperback)

By Ahmed Elgammal

Morgan Claypool Publishers, United States, 2015. Paperback. Condition: New. Language: English . Brand New Book. Background subtraction is a widely used concept for detection of moving objects in videos. In the last two decades there has been a lot of development in designing algorithms for background subtraction, as well as wide use of these algorithms in various important applications, such as visual surveillance, sports video analysis, motion capture, etc. Various statistical approaches have been proposed to model scene backgrounds. The concept of background subtraction also has been extended to detect objects from videos captured from moving cameras. This book reviews the concept and practice of background subtraction. We discuss several traditional statistical background subtraction models, including the widely used parametric Gaussian mixture models and non-parametric models. We also discuss the issue of shadow suppression, which is essential for human motion analysis applications. This book discusses approaches and tradeoffs for background maintenance. This book also reviews many of the recent developments in background subtraction paradigm. Recent advances in developing algorithms for background subtraction from moving cameras are described, including motion-compensation-based approaches and motion-segmentation-based approaches.

DOWNLOAD



READ ONLINE  
[ 4.16 MB ]

### Reviews

*This kind of pdf is every thing and made me seeking ahead plus more. It is probably the most amazing ebook i have study. I am quickly can get a enjoyment of reading a composed pdf.*

-- **Florence Rutherford DDS**

*Definitely among the best ebook I actually have possibly read through. It is really simplified but unexpected situations in the 50 % from the publication. You wont truly feel monotony at at any time of the time (that's what catalogues are for concerning in the event you ask me).*

-- **Jerald Champlin II**