

FAST BACKGROUND SUBTRACTION FOR REAL TIME MONITORING

Abstract

We present an implementation for fast detection of moving objects in real time monitoring applications. We apply a common technique known as background subtraction for this purpose. Background subtraction can be defined as the process of extracting the regions of interest from a given image. Over the last few decades or so, many background subtraction algorithms have appeared. They have been tailored for various applications. In this paper, we intend to propose an alternative implementation suitable for realtime monitoring applications. We do this by reducing the complexity of our mathematical model used for background modeling. We find that this technique might be an interesting alternative for many applications.