

## **Video Processing of a Football Game: Detecting Features of a Football Match for Automated Calculation of Statistics**

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**Abstract :** We have applied a range of filters and processing in order to extract out the various features of the football game, like the field lines of a football field. Another important aspect was the detection of the players in the field and tagging them according to their teams distinguished by their jersey colours. This extracted information combined about the players and field helped us to create a virtual field that consists of the playing field and the players mapped to their locations in it.

**Keywords :** Detect, Football, Players, Virtual

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