

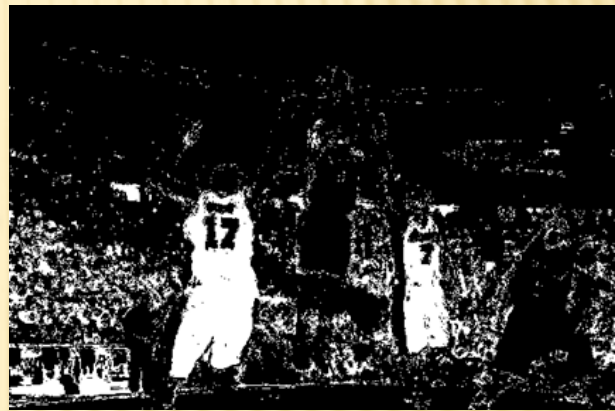
# Basketball Player Identification by Jersey and Number Recognition

## Jeremy Ephrati and Navid Moghadam

Original image



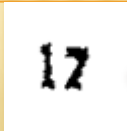
MAP detection applied to get the Lakers' jerseys recognized



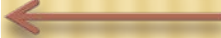
Recognize the player by area of the jersey, invert the colors, and apply erosion



Recognize the number by setting thresholds



on height to width ratio and percentage of total area



Apply image to smart OCR, and then associate the

number obtained to the player's name



Andrew Bynum and Ramon Sessions recognized from the Lakers

