

Jun 2005 – Aug 2005

Markers tracking on tyres videos for physics properties study

- **Main achievements**

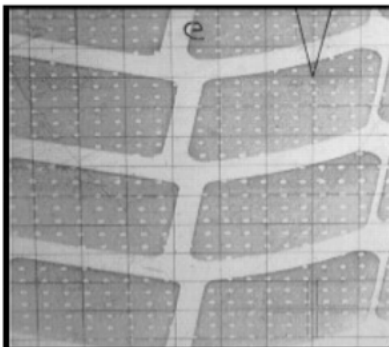
- Dynamic tracking of markers on tyres surface. Position, speed, and acceleration computings.

- **Image processing techniques**

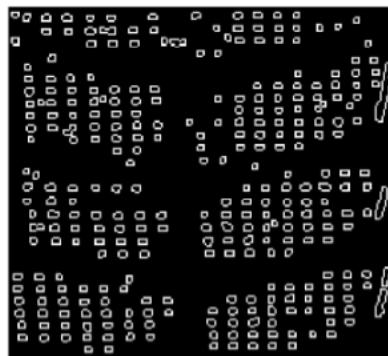
- image calibration, polynomial light derive correction, binary masks, mathematical morphology (opening and closure operators), contours detection, Freeman coding.

- **Results**

Image processing pipeline



Source image



Freeman coded image (contours)



Final processed image

- **Programming languages, libraries, versioning tools and OS**

- Languages : Matlab
- OS : Windows

- **Collaborations and partnerships**

- Guy Courbebaisse
- Michelin (data)