

Stride measurement of runner from video

MathWorks Japan



Demo: Stride measurement of runner with deep learning

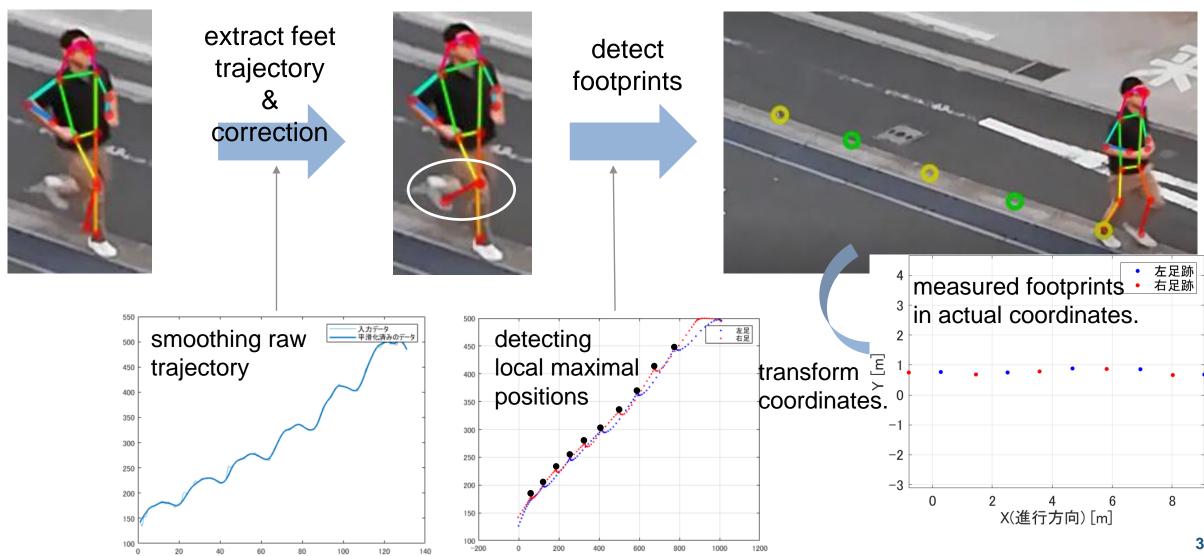


- Extract the trajectory of the feet using pose estimation network.
- Get the footprints by processing the trajectory.



Process Flow

Pose Estimation





(supplement) Accuracy evaluation

 for accuracy evaluation of automatic footprints extraction, the results were compared to that extracted by visual inspection

For visual extraction, the tip coordinates of the shoe at ground level were

obtained.

