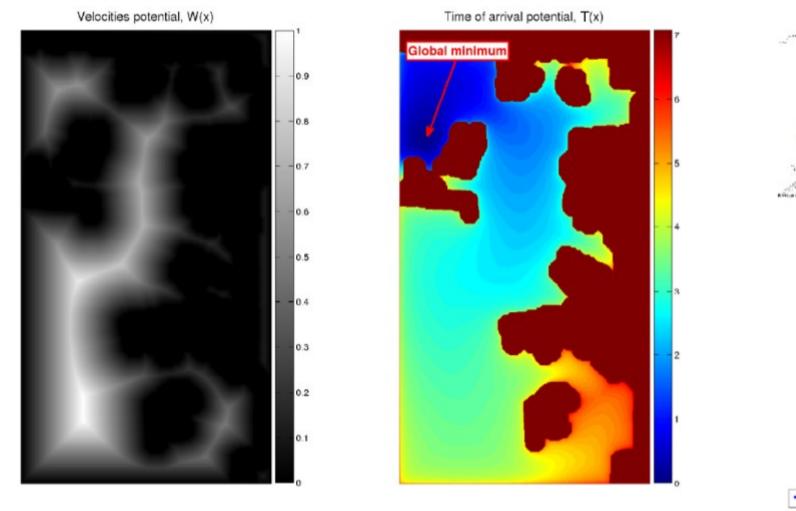
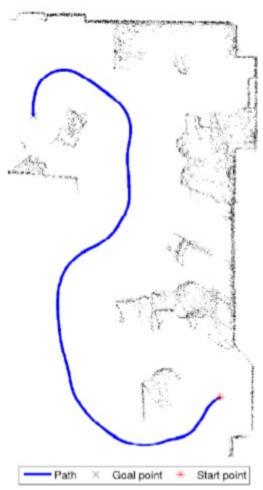
# Motion Learning with Fast Marching

Javier V. Gómez www.javiervgomez.com



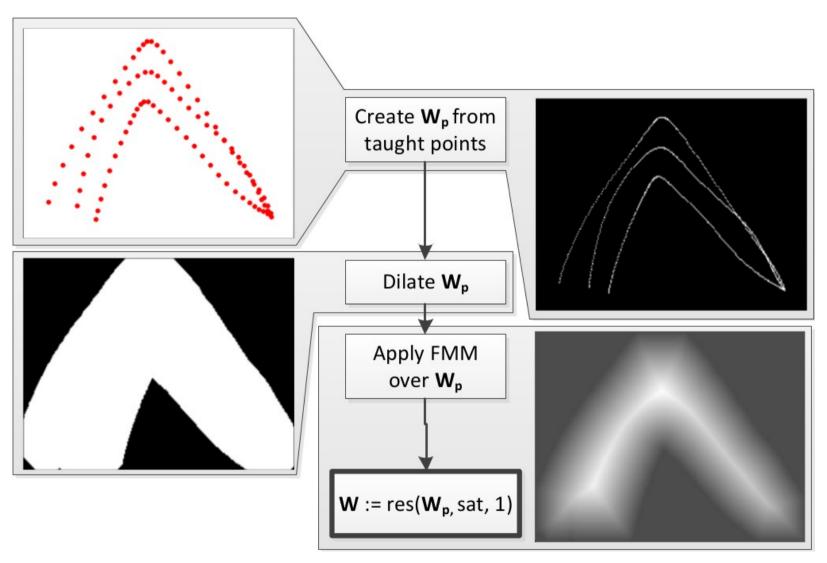
## Fast Marching Square





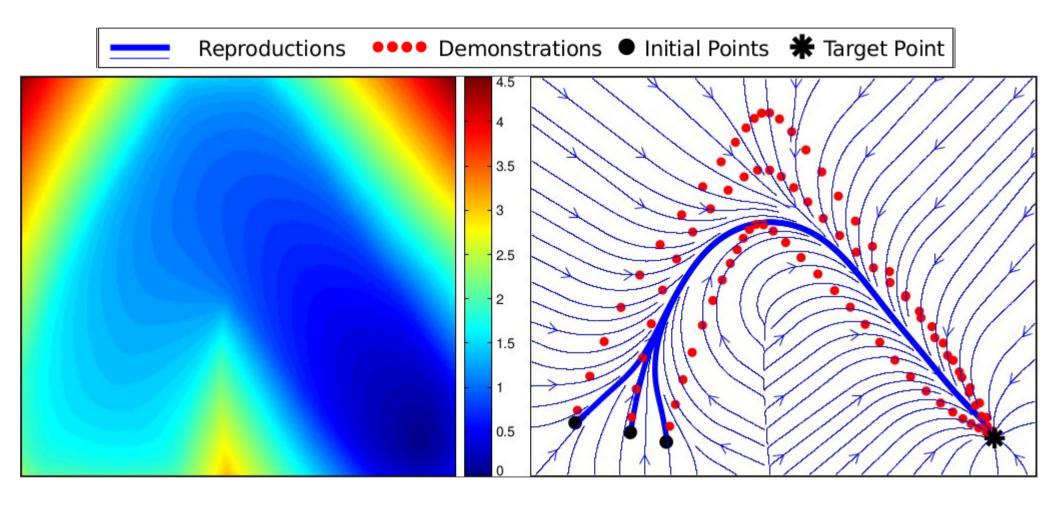
A. Valero, J. V. Gomez, S. Garrido and L. Moreno, Fast Marching Methods in Path Planning, IEEE Robotics and Automation Magazine, accepted.

# Motion Learning with Fast Marching Square Algorithm



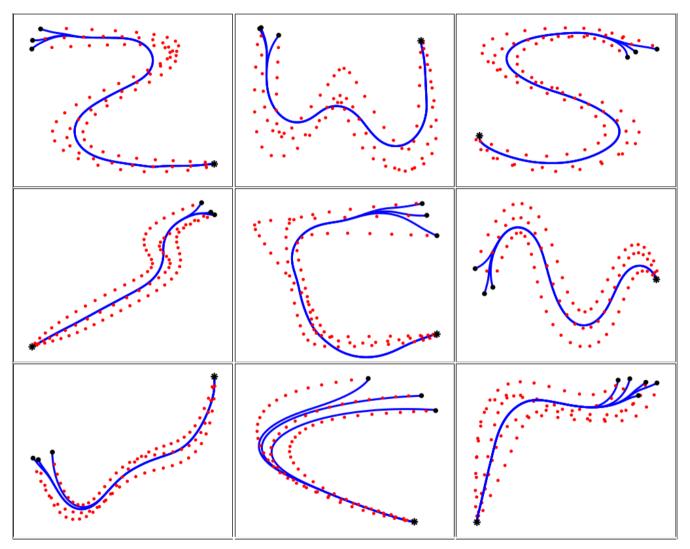
J. V. Gomez, D. Alvarez, S. Garrido and L. Moreno, Kinesthetic Teaching via Fast Marching Square, IROS2012.

# Motion Learning with Fast Marching Square Simulation



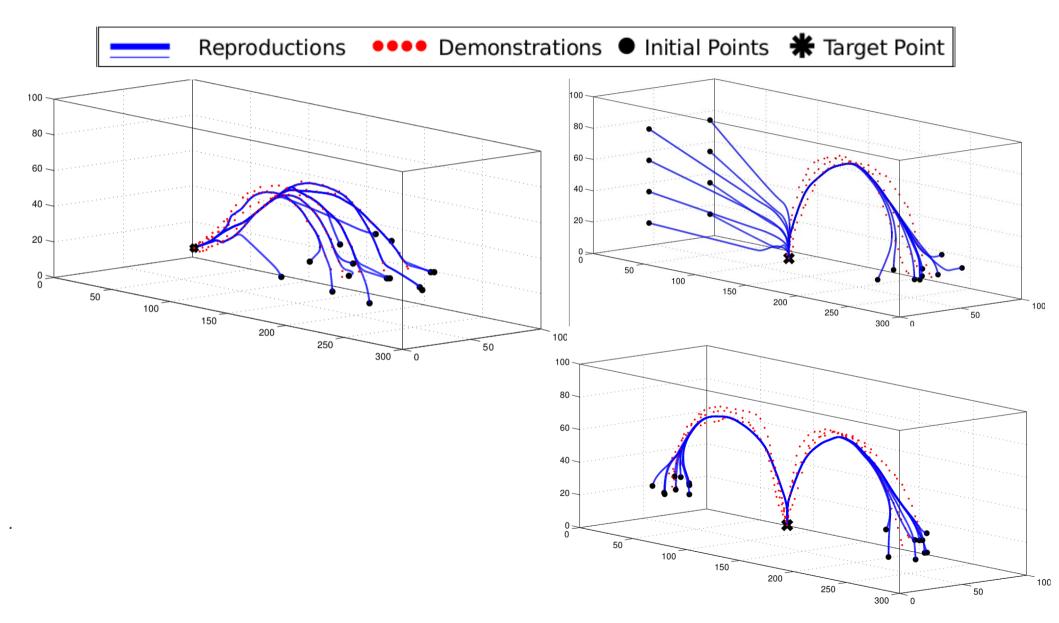
J. V. Gomez, D. Alvarez, S. Garrido and L. Moreno, Kinesthetic Teaching via Fast Marching Square, IROS2012.

## Motion Learning with Fast Marching Square Results in real dataset



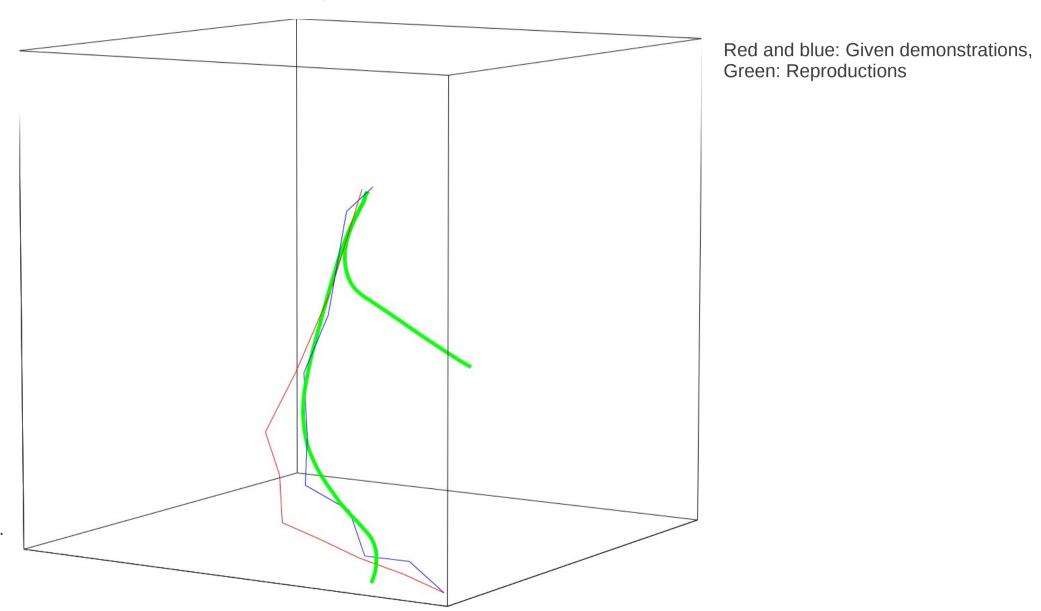
Data from Handwriting Motion Database, S.M. Khansari-Zahed and A.Billard http://lasa.epfl.ch/people/member.php?SCIPER=183746/#SEDS Benchmark Dataset

## Motion Learning with Fast Marching Square Result with 3D data



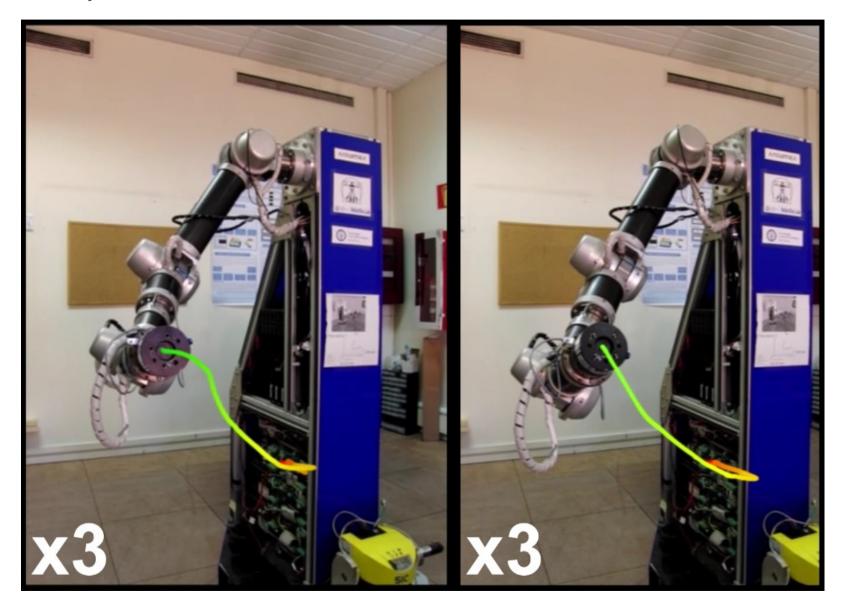
#### Motion Learning with Fast Marching Square

Implementation on Manfred V2



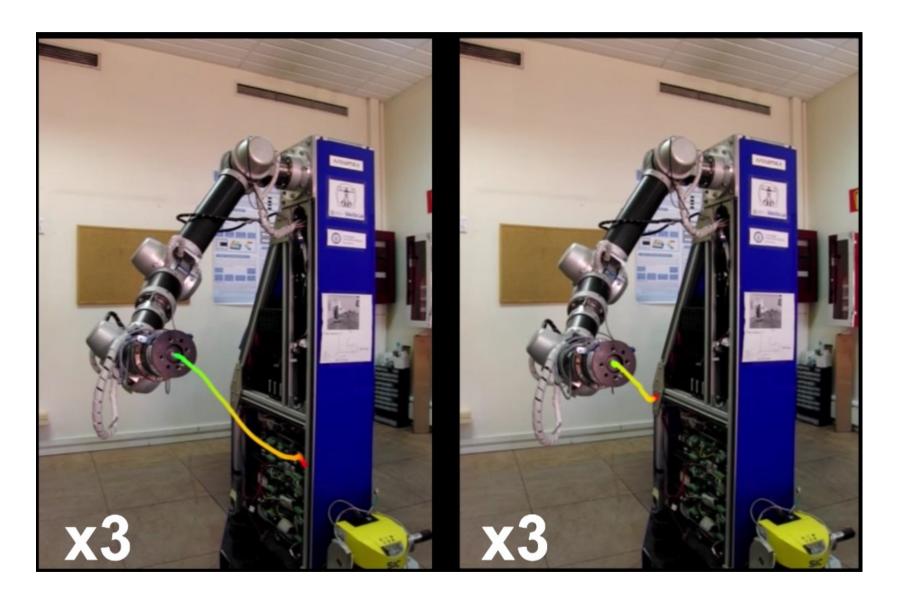
#### Motion Learning with Fast Marching Square

Implementation on Manfred V2 - Demonstrations



### Motion Learning with Fast Marching Square

Implementation on Manfred V2 - Reproductions



## Thank you!

#### More info:

www.javiervgomez.com/index.php/Fast\_Marching\_Square jvgomez@ing.uc3m.es