# FAQ-5 du manuel d’extraction des trajectoires / Fichier trajectoire

# A quoi ressemble un fichier .txt décrivant les trajectoires des véhicules ?

Ce fichier .txt est obtenu une première fois à l’issue de l’étape CombineBlobs.

Dans l’application TrajectoryViewer, à chaque fois que l’utilisateur décide d’exporter les trajectoires à la suite de corrections effectuées à la main, un nouveau fichier via le bouton EXPORT TRAJ (attention, cet export prend un certain temps).

Les fichiers trajectoires.txt sont relativement gros (de l’ordre de 700 000 Ko)

Extrait

# Blob chains file format

# Comments look like this, (for now) they only occur at the beginning of this file.

# All other lines consist of 21 tab-separated fields

# Field 0: Blank or "Join" (Join indicates that this chains joins a previously output chain)

# Field 1: Chain number (integer, first chain is 1, incrementing

# Field 2: Time (seconds)

# Field 3: Left of bounding octagon (minimum(X), m)

# Field 4: Top of bounding octabon (miminum(Y), m)

# Field 5: Right of bounding octagon (maximum(X), m)

# Field 6: Bottom of bounding octagon (maximum(Y), m)

# Field 7: Top-left of bounding octagon (minimum(X+Y), m)

# Field 8: Top-right of bounding octagon (maximum(X-Y), m)

# Field 9: Bottom-left of bounding octagon (minimum(X-Y), m)

# Field 10: Bottom-right of bounding octagon (maximum(X+Y), m)

# Field 11: Center of gravity X-coordinate (m)

# Field 12: Center of gravity Y-coordinate (m)

# Field 13: Mass of blob (number of pixels covered)

# Field 14: Color of blob (hexadecimal RRGGBB)

# Field 15: Predecessor time steps difference (integer)

# Field 16: Predecessor rank number (integer)

# Field 17: Predecessor credibility (floating point value)

# Field 18: Successor time steps difference (integer)

# Field 19: Successor rank number (integer)

# Field 20: Successor credibility (floating point value)

# Fields 15-17 are blank if no predecessor was found.

# Fields 18-20 are blank if no successor was found.

À la suite de la sauvegarde via Matlab, le fichier contient deux lignes supplémentaires :

SCALE = 0.211 # meters per pixel

TIME\_ORIGIN = 28160.152 # time origin of the trajectories

Lignes successives :

 1 60180,023 414,56 1,71 434,81 10,49 418,70 432,12 406,02 439,69 422,97 5,69 1529 79acb4 1 1 13,4

 1 60180,062 414,31 1,22 434,81 10,49 418,22 431,39 405,53 439,93 422,53 5,71 1560 78abb2 -1 1 13,4 1 1 12,9

 1 60180,101 413,58 1,22 433,83 11,22 417,73 430,66 404,55 439,20 421,78 5,83 1574 76a9b1 -1 1 12,9 1 1 12,4

 1 60180,139 412,85 2,44 433,34 10,49 417,24 430,17 402,60 438,71 421,44 6,08 1486 7aaeb6 -1 1 12,5 1 1 12,5

 1 60180,177 412,60 1,46 432,86 10,25 417,48 429,20 402,60 437,98 421,02 5,93 1465 7bafb6 -1 1 12,5 1 2 12,1

 1 60180,216 411,87 2,44 432,12 11,22 416,51 428,46 402,60 437,74 420,24 6,32 1494 7aaeb6 -1 1 12,1 1 1 12,5

 1 60180,254 411,14 2,93 431,64 11,47 416,75 427,98 401,87 437,49 419,61 6,42 1535 7ab0b8 -1 2 12,5 1 1 12,9