

CSV model :

Keys	index_lane	index_frame	x_head	y_head	swimming_way
Type	int	int	float	float	float
Example	3	251	871.0	54.0	-1.0

All the elements will be stored in a .csv file, respecting the format of the table at the left, separated by a coma.

The first line of the .csv file is the one that defines the keys, that is to say the following line :

frame,lane,x_head,y_head,swimming_way

The name of the .csv file has to bear the same name as the video. that is to say, if the video is called « vid0.mp4 » the .csv file will be « vid0.csv ».

Details :

Lane :

The lane of a swimmer, with the convention that the highest lane of the video is the lane number 0.

Frame :

The number of the frame in the video. The first frame is the frame 0.

The head's coordinates :

- the unit is pixels. The top-left corner of the corrected video is the pixel (0, 0) ;
- if the head is not visible, the coordinates (1, -1) will be registered;
- the coordinates indicates the centre of the head. Figure 1 shows an example.



Figure 1 : Example of a pointed head