**ADSA Project**

SmartWing

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**Presentation of the project:**

The project consists in developing a part of the code of a smart Wing.  
We are interested in the phase of acceleration, descent and circular flight around coordinates of take-off. The idea of this project is to code trajectories and to extract an image of the trajectory and a text file with the commands to be transmitted to the wing.

**Part of reasoning and research:**

Vectors:

Length Or size

y

x

Vector (x,y )

Magnitude = speed = length or size of the vector

Norm

Velocity = change of position over time

= distance / time

Acceleration = change of velocity over time

= distance / time / time