

## Husqvarna Control - Script 2

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### DataCommand Path Test

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This script extracts data from the 'dataCommand' structure, to use it correctly simply load one '.mat' file into workspace and run it. Data are imported into simulink block scheme as signals in time, and in this case they provide, with opportune scaling gains, the same values given to the robot by its driver during the tests in which they were recorded.

```
t = 1:0.5:500;

linV = zeros(1,999);
angV = zeros(1,999);

for j = 1:1:999

    % Use different scaling values on linear velocity when using Fuzzy
    % Controller
    linV(j) = 0.5*((dataCommand.l_vel_x(j))/0.05); %Scaling for the data
    angV(j) = (dataCommand.a_vel_z(j))/0.05;
end
```

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