By substituting the optimum found value $h=1.528×10^{-4}{m}/{s}$ in equation (6.12) and considering the equation as a function of air flux this leads to the following steady state flux equation:

|  |  |
| --- | --- |
| $$J\_{steady}=6.25+41697f\_{sair}$$ | (6.13) |

By substituting (6.9) in equation (6.13) will give the maximum steady flux:

|  |  |
| --- | --- |
| $$J\_{steady}=6.7 {μmole}/{m^{2}}s=402 {μmole}/{m^{2}}min$$ | (6.14) |

 shows a plot of equation (6.13). What is evident from the plot is the linear relationship between the air flux and the carbon dioxide flux. This means that with an increased blowing fan velocity an increase of pressure difference over the soil