Include frequency in AWE

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Consider the exact solution that is:

Consider the following values for the impedance and an input of 30 volts:

The unit step response looks as follows:

A graph on a white background

AI-generated content may be incorrect.

we can generate Y parameters out of this, consider the bellow table:

|  |  |
| --- | --- |
|  |  |
| 200 π | 1.0000 - 0.0005i |
| 400 π | 1.0000 - 0.0010i |
| 1000 π | 1.0000 - 0.0025i |
| 2000 π | 1.0001 - 0.0050i |
| 10000 π | 1.0014 - 0.0252i |

Using NILTcv to plot both we get.

A graph with blue and red lines

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With RMSE of 5.3425.

* Now lets consider 3 Y parameters and combine them.