

# 1 Discrete Continous Response

This response is generated by convolution of the sampled continous Kernel with the time-discrete difference equation.

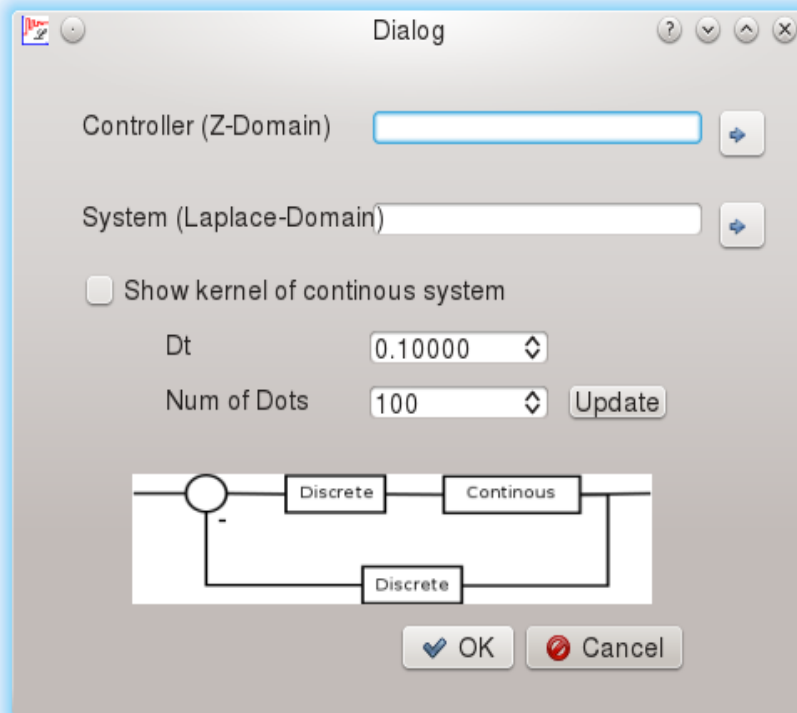


Abbildung 1: Discrete Continous System Dialog

The equation for the discrete Controller has to be in it's Z-Form with the complex variable named  $z$ . The continous transferfunction of the system has to be in laplace-Form with the complex variable named  $s$ . With the buttons on the left hand side of the expression's one has access to a user defined library of expressions. Also the named Expressions in the side-panel can be referenced.