Digital Filter by Bilinear Transformation

Code:

clc

clear all

s = %s

H\_s = 2/((s+1)\*(s+2))

T = 0.2

z = %z

H\_z = horner(H\_s,(2/T)\*((z-1)/(z+1)))

disp(H\_z)

Output:

2 + 4z + 2z2

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72 - 196z + 132z2