











(Note that apparent density of graph is just an artifact of whether number of sample points Maple takes between -0.5 and 0.5 "resonates" with N.)

In fact, for any fixed value of x,  $D_N(x)$  diverges as N goes to infinity, for reasons similar to those found in Problem 1.1.2 (!), which actually deals with a +/- variant on  $D_N(x)$ .