Fitting Robbins

With BesselK params:

[0.98340885 0.09624253 0.00116915 0.7159473 ]  
  
OK fit but not exact.

[-1.30082226e+00 1.50129815e+00 -1.90619311e-02 -7.38287211e-01

4.20439957e+00 1.60828176e+00 1.60458536e+00 8.62137746e-01

1.15975519e+00 -6.09030082e-01 4.55672906e+00 1.03503558e-03

9.54978397e-01 3.35185817e+00 1.14912016e+00]  
  
Very close in terms of real moments?

x: array([

-1.30082218e+00,

1.50129517e+00,

-1.90581963e-02,

-7.38286199e-01,

4.20439949e+00,

1.60828280e+00,

1.60459098e+00,

8.62136038e-01,

1.15975519e+00,

-6.09028514e-01,

4.55673055e+00,

1.03539051e-03,

9.54978847e-01,

3.35185776e+00,

1.14912016e+00])

Final Loss: 1.4964758262461068e-05

Roots

[-6.24338772e-01 3.20512181e+00 6.79109778e-01

-4.52237529e-05

5.01680364e+00 -4.18034710e+00

8.08855296e-01 2.01294909e-01

1.06279230e+00

-1.41316314e+01 1.60078233e+00 -2.25207519e-02

1.01121184e+01 -1.54274061e+00 1.00116425e+00]

Assume -4.52237529e-05 ~~~ zero.

Super roots:

With 4 base terms and two of each other

array([ 2.68893128, 1.24850336, -0.4784735 , 1.06710095, 1.09076523,

0.11482134, 1.20597782, 0.07102955, 0.33651599, 0.66499011,

3.55413955, 1.04199151, -0.68654022, 3.09616407, -0.20412917])