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Plot graphs of 3 inversions for (in the same figure).

**Rahul Yerrabelli:**

First, see the below identities I found from online.

lim_(x->0) I_0(x) = 1 I_1(0) = 0 lim_(s->0) (I_1(sqrt(s)))/sqrt(s) = 1/2 

**Proof:**

Now, plug in alpha to get the limit in terms of .

Thus: