

2. For the previous question, will $g_r(x)$ depend on α ?

3. Now consider $g(x)$ that is not bandlimited.

Will the error ϵ depend on α ?

ANSWERS

1 a) No, $g_r(x) = g(x)$, independent of α

1 b) No, $g_r(x)$ depends on α but
 ϵ will not

2) No for $t(x) = \text{sinc } x$
Yes for $t(x) = \Lambda(x)$

3) Yes. Both frequency-domain and
time-domain explanations can be given.