

HKUSTx: ELEC1200.1x A System View of Communications: From Signals to Packets (Part 1)

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LAB 3 OPTIONAL TASK - TRY IT YOURSELF

Here is a blank script for you to set your own communication protocols. This is an extra task and will not be graded. You can try to call the following functions provided in this section. Also, you can write your own code using MATLAB.

Functions given:

```
bitseqs = bit_seq_gen()

check_framing(bitseqs,frameseqs)

tx_bs_frame = frame_bs(tx_bs)

tx_wave = bitseq2waveform(tx_bs_frame,SPB)

tx_wave = add_training(tx_wave)

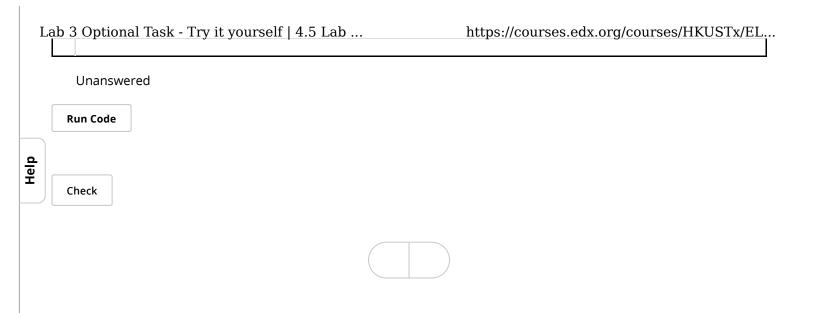
rx_wave=txrx_lab03(tx_wave,distance)

start_ind=find_start(rx_wave)

display_lab03
```

```
1
2
3
4
5
6
7
```

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