Tune-Up Tuesday #10 for November 13, 2018

What happens when we convolve two rectangular pulses in continuous time?

Answer: Triangular pulse if the two rectangular pulses have the same width. See

http://users.ece.utexas.edu/~bevans/courses/signals/handouts/Appendix%20E%20Convolution%20Example.pdf

Trapezoid if the two rectangular pulses have different widths.

In lecture on November 13, 2018, I had run the continuous-time convolution demo in MATLAB from *Signal Processing First* to convolve two rectangular pulse with the same widths and with different widths. The continuous-time convolution demo is available at

http://dspfirst.gatech.edu/matlab/ZipFiles/cconvdemo-v218.zip

This link is available from the GUIs link at the top of the Web site for the book

http://dspfirst.gatech.edu/