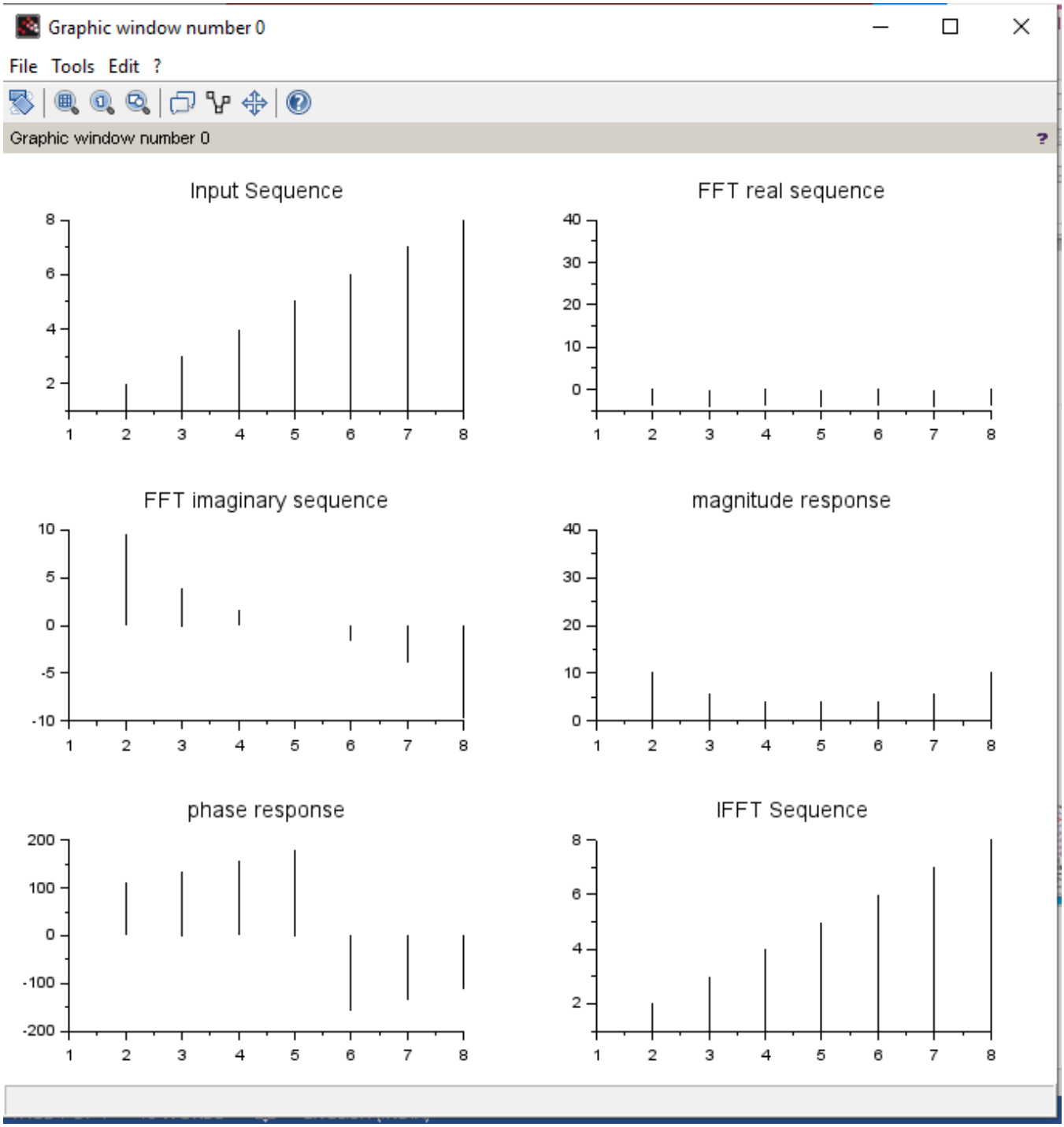
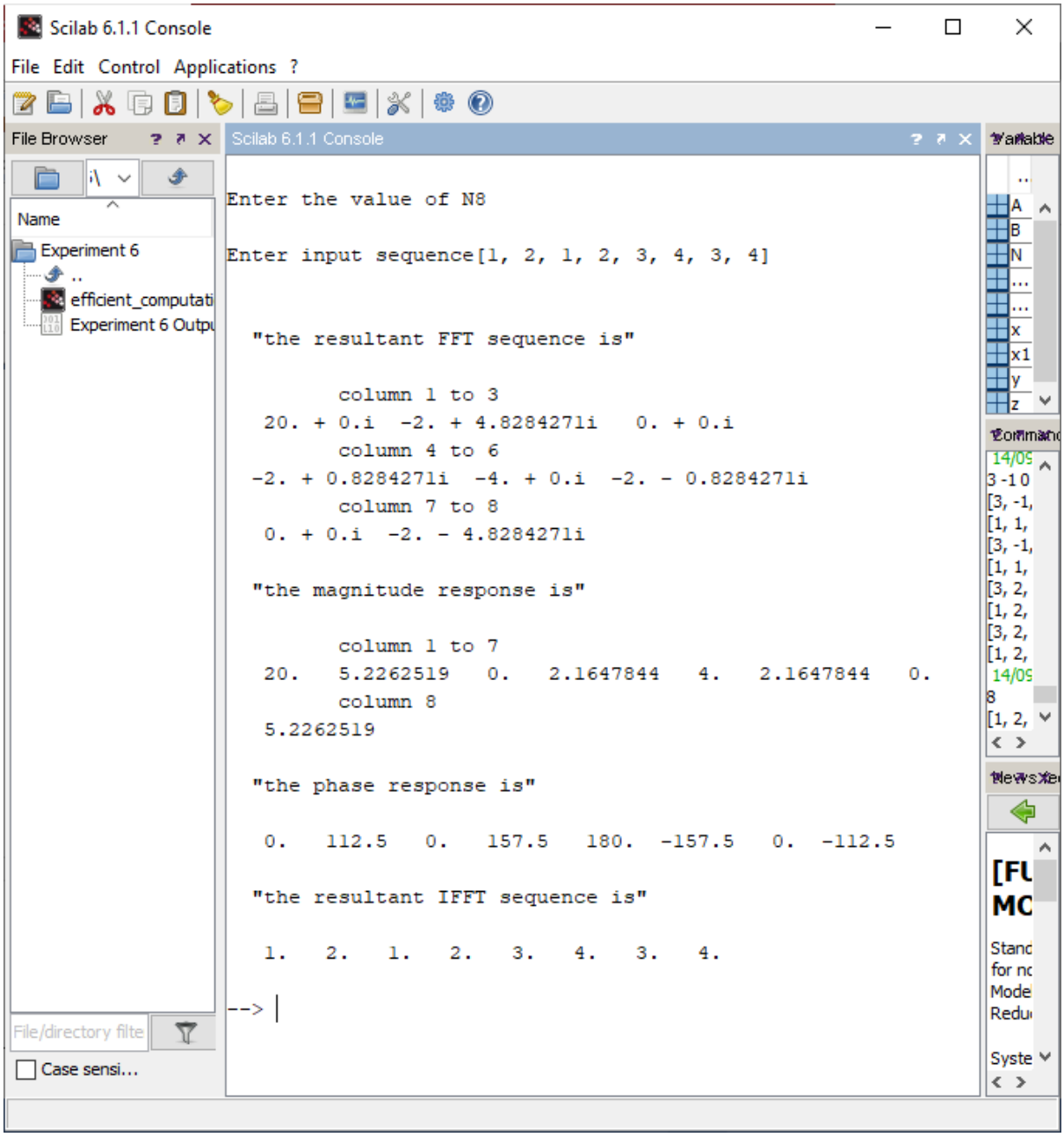
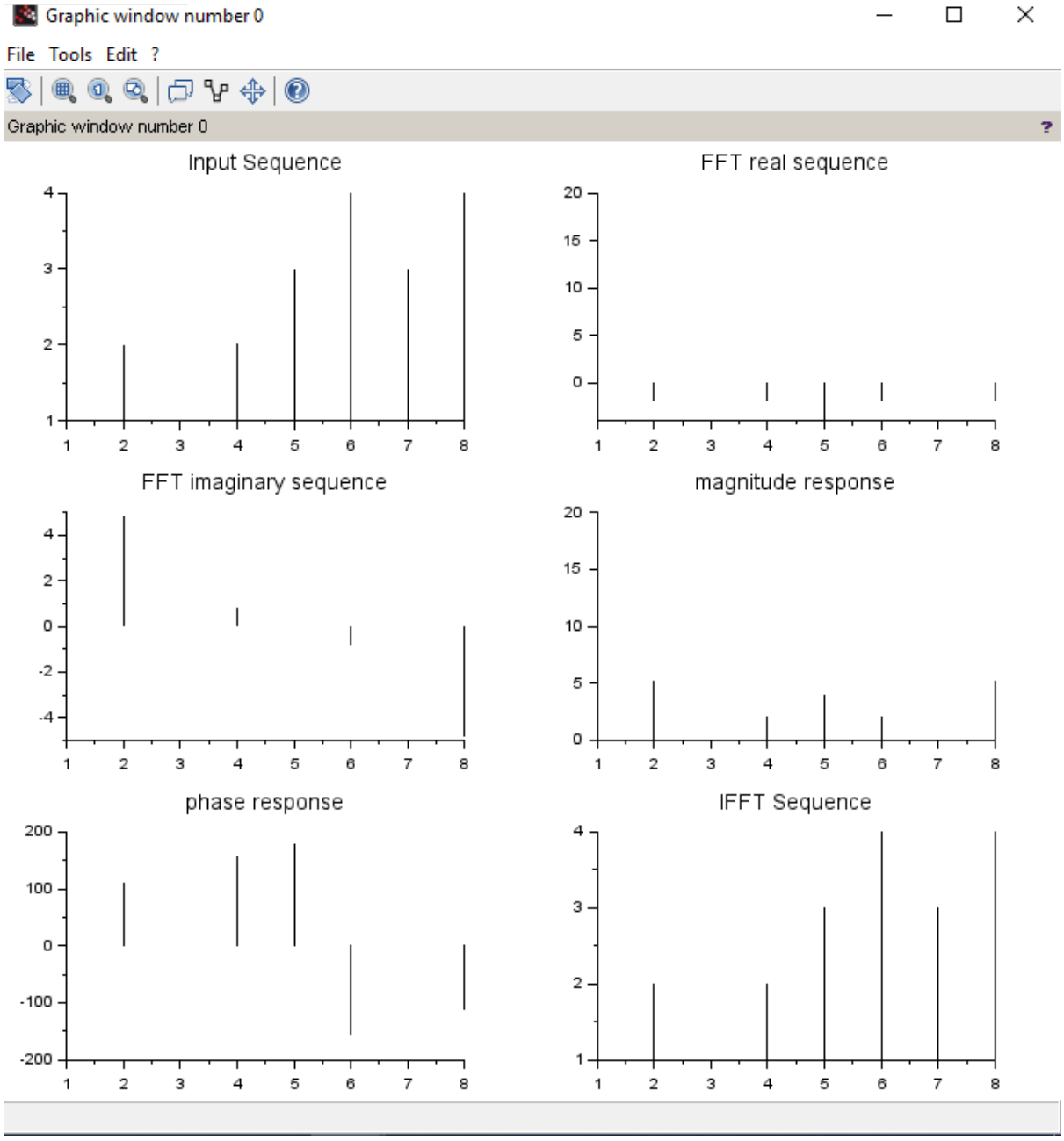
DSP – Experiment 6 – Output

Calculation of FFT of a signal


Graphic window number 0
File Tools Edit ?
Graphic window number 0
Input Sequence
FFT real sequence
FFT imaginary sequence
magnitude response
phase response
IFFT Sequence

Post Lab


Scilab 6.1.1 Console
File Edit Control Applications ?
File Browser
Name
Experiment 6
efficient_computati
Experiment 6 Outpu
File/directory filte
Case sensi...
Scilab 6.1.1 Console
Enter the value of N8
Enter input sequence[1, 2, 1, 2, 3, 4, 3, 4]
"the resultant FFT sequence is"
column 1 to 3
20. + 0.i -2. + 4.8284271i 0. + 0.i
column 4 to 6
-2. + 0.8284271i -4. + 0.i -2. - 0.8284271i
column 7 to 8
0. + 0.i -2. - 4.8284271i
"the magnitude response is"
column 1 to 7
20. 5.2262519 0. 2.1647844 4. 2.1647844 0.
column 8
5.2262519
"the phase response is"
0. 112.5 0. 157.5 180. -157.5 0. -112.5
"the resultant IFFT sequence is"
1. 2. 1. 2. 3. 4. 3. 4.
-->


Graphic window number 0
File Tools Edit ?
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