Operasi Konvolusi antara Dua Sinyal Kontinu Quiz 6

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Start

struct koordinat {x, y}
(FILE) *fp
(char) *filename = "Result.txt"
(double) dt = 0.001
(double) thou, t, sum
struct koordinat conv

fp = fopen(filename, "w")

thou = 0

thou <= 5? — False

True

sum = 0

t = 0

t <= thou? — False

True

sum = sum + f1(t)*f2(thou-t)*dt

t = t + dt

thou += dt

conv.y = sum

conv.x = thou

Display(conv.x, conv.y)

fprintf(fp, conv.x, conv.y)

fclose(fp)

End

f1 (double x)

```
f1 (double x)
    |
    v
x >= 1 && x <= 3?  --False-->  Return 0
    |
   True
    v
Return 0.5x-0.5
```

f2 (double x)

```
f2 (double x)
    |
    v
x >= -1 && x <= 0?  ---->  x > 0 && x <= 1?  ---->  Return 0
    |                          |
    v                          v
Return 1+x                 Return 1-x
```