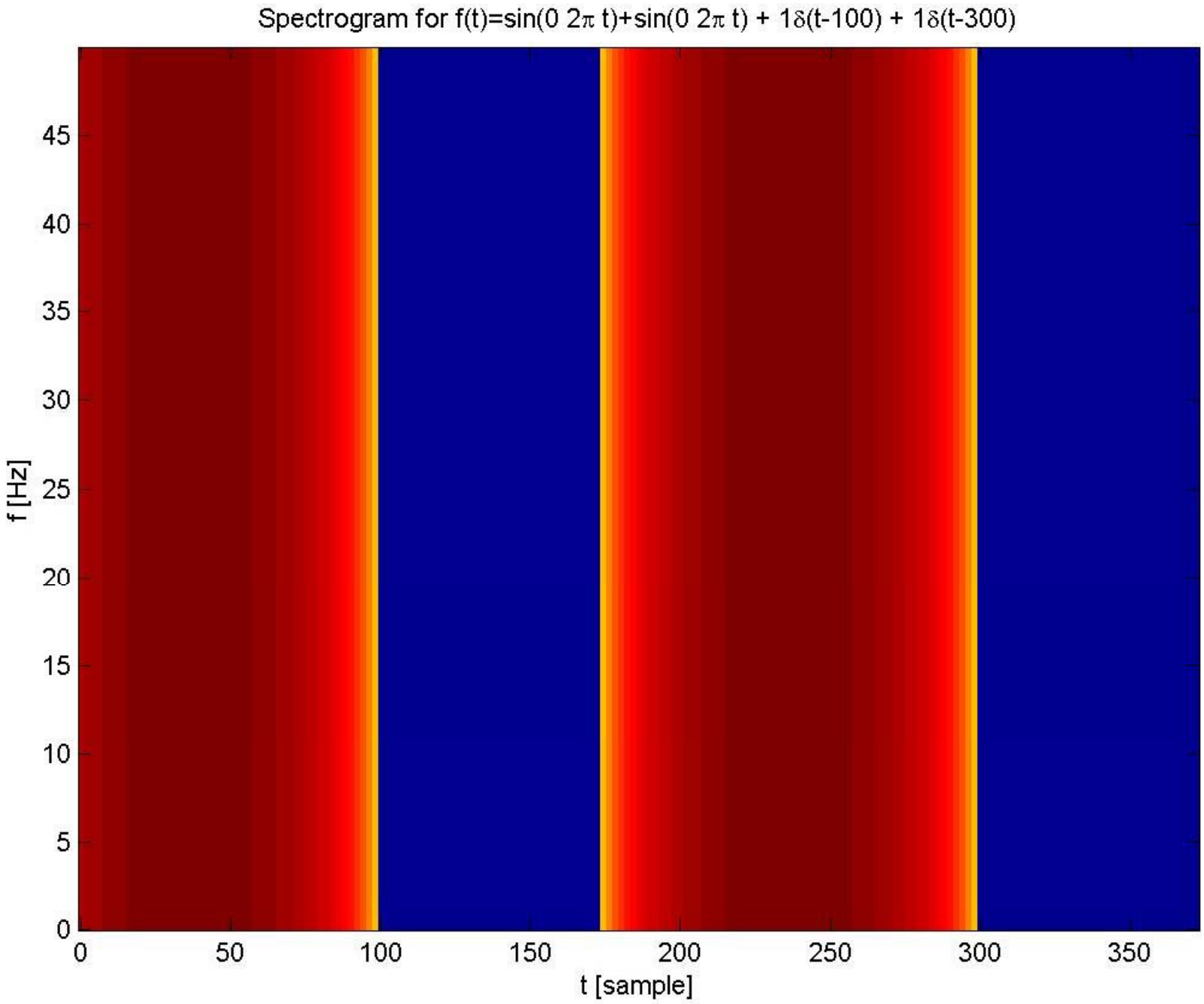
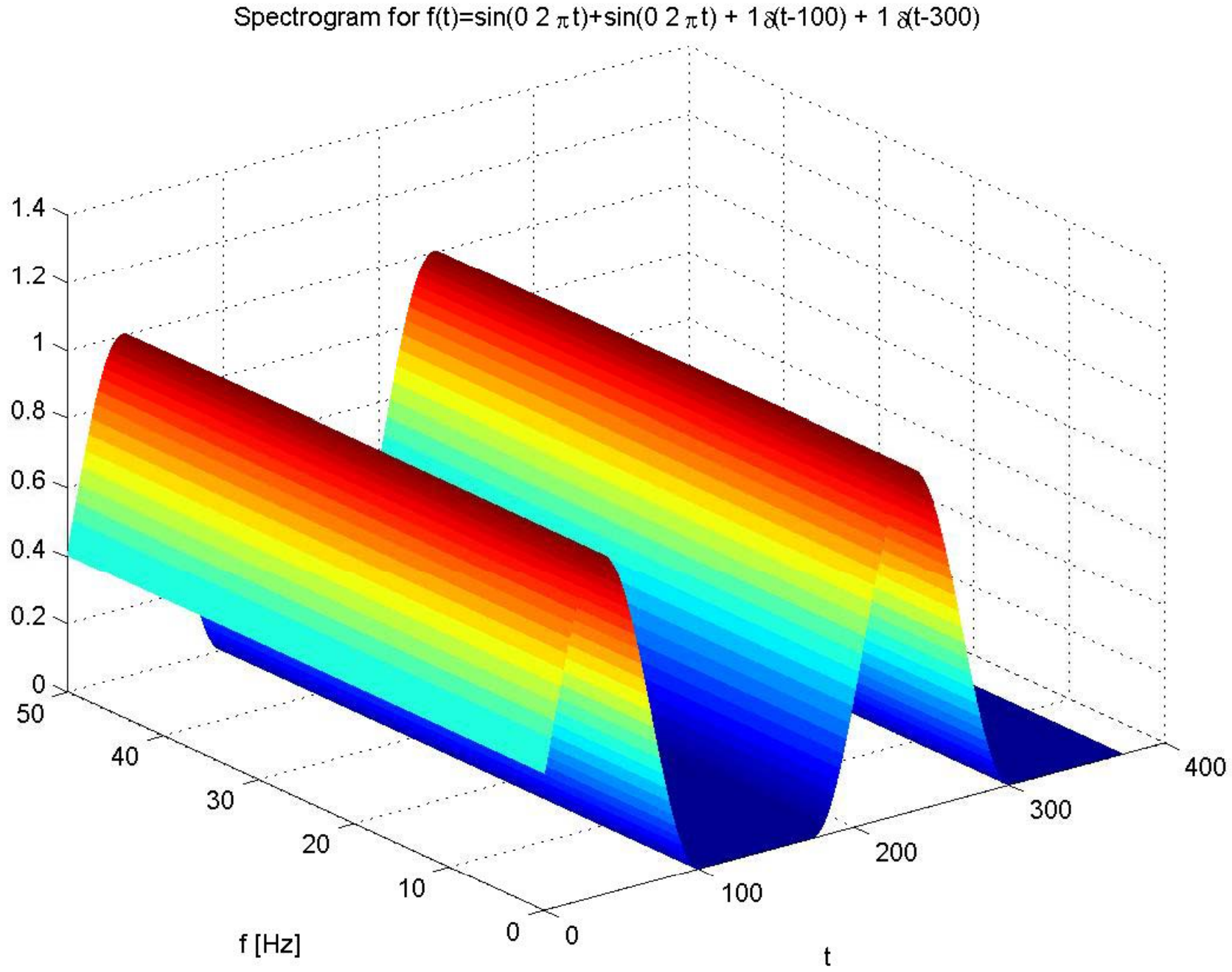
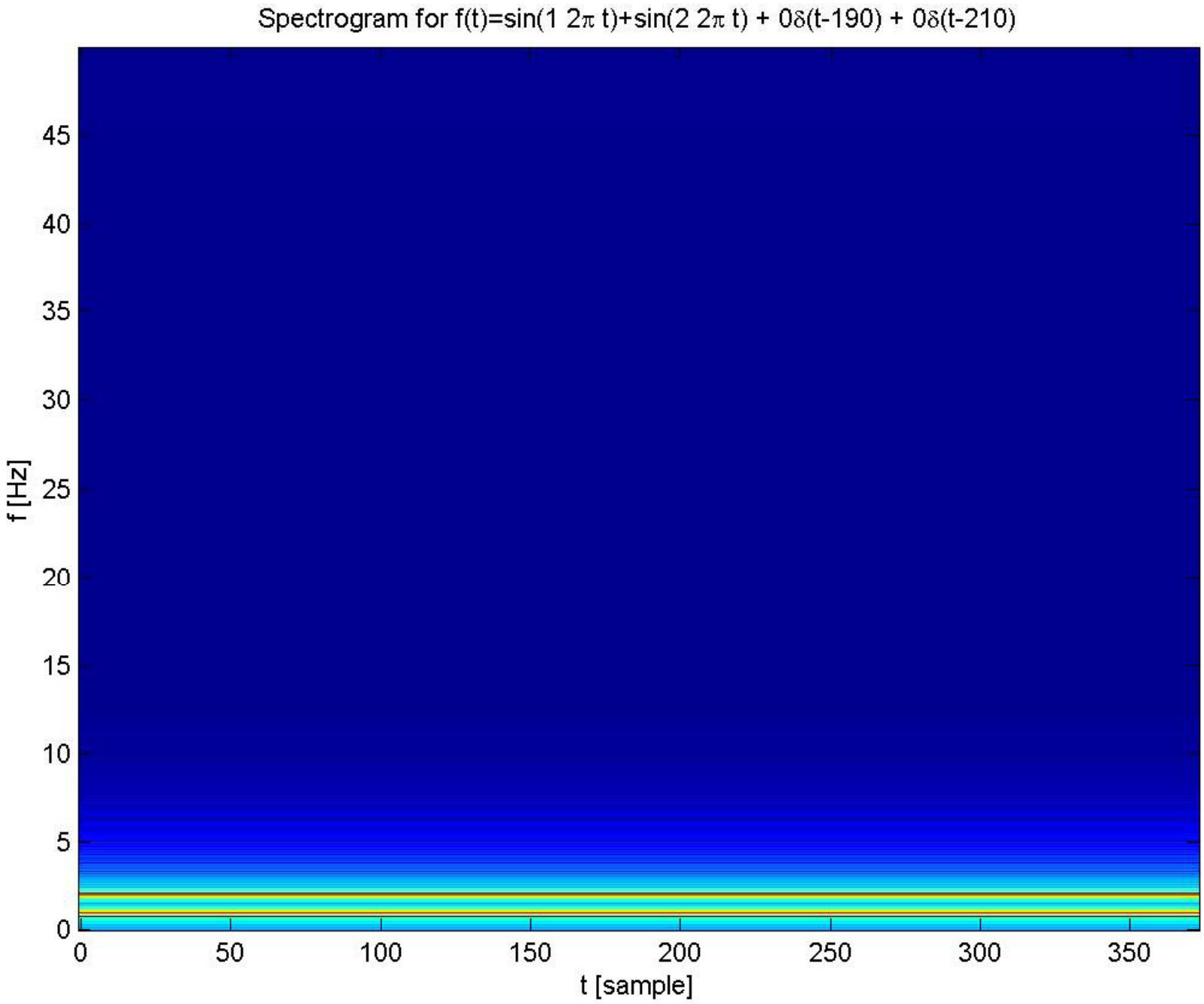
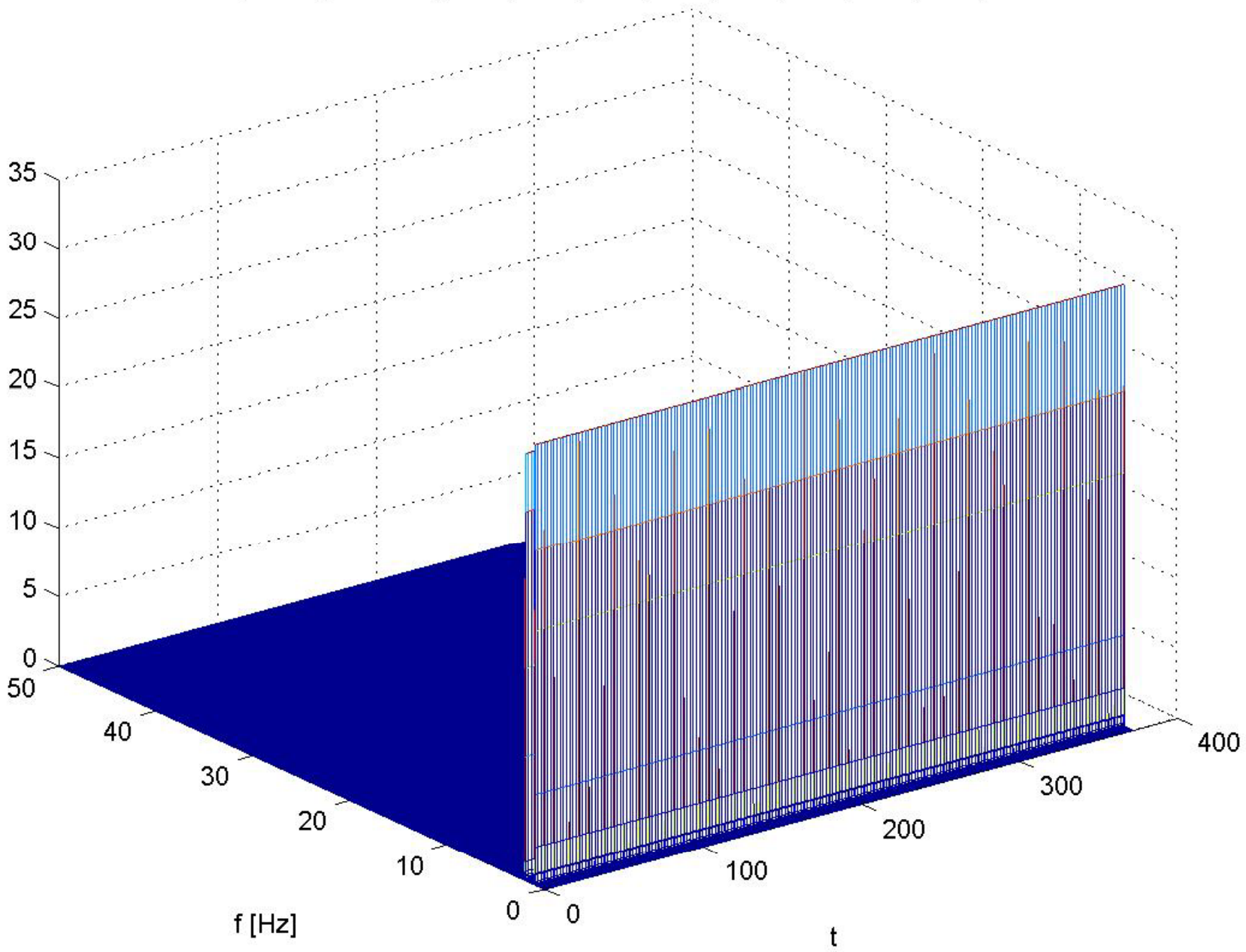
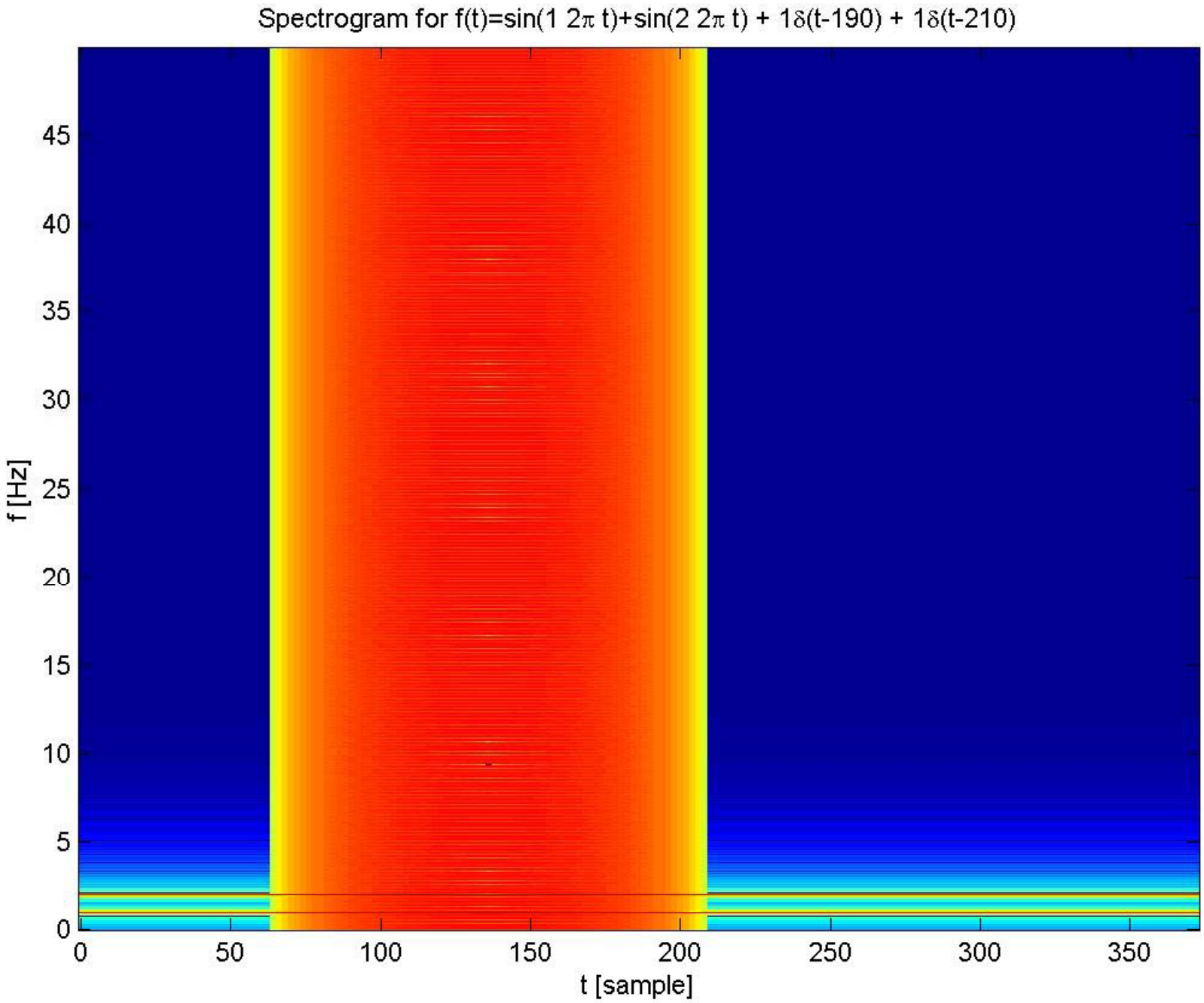
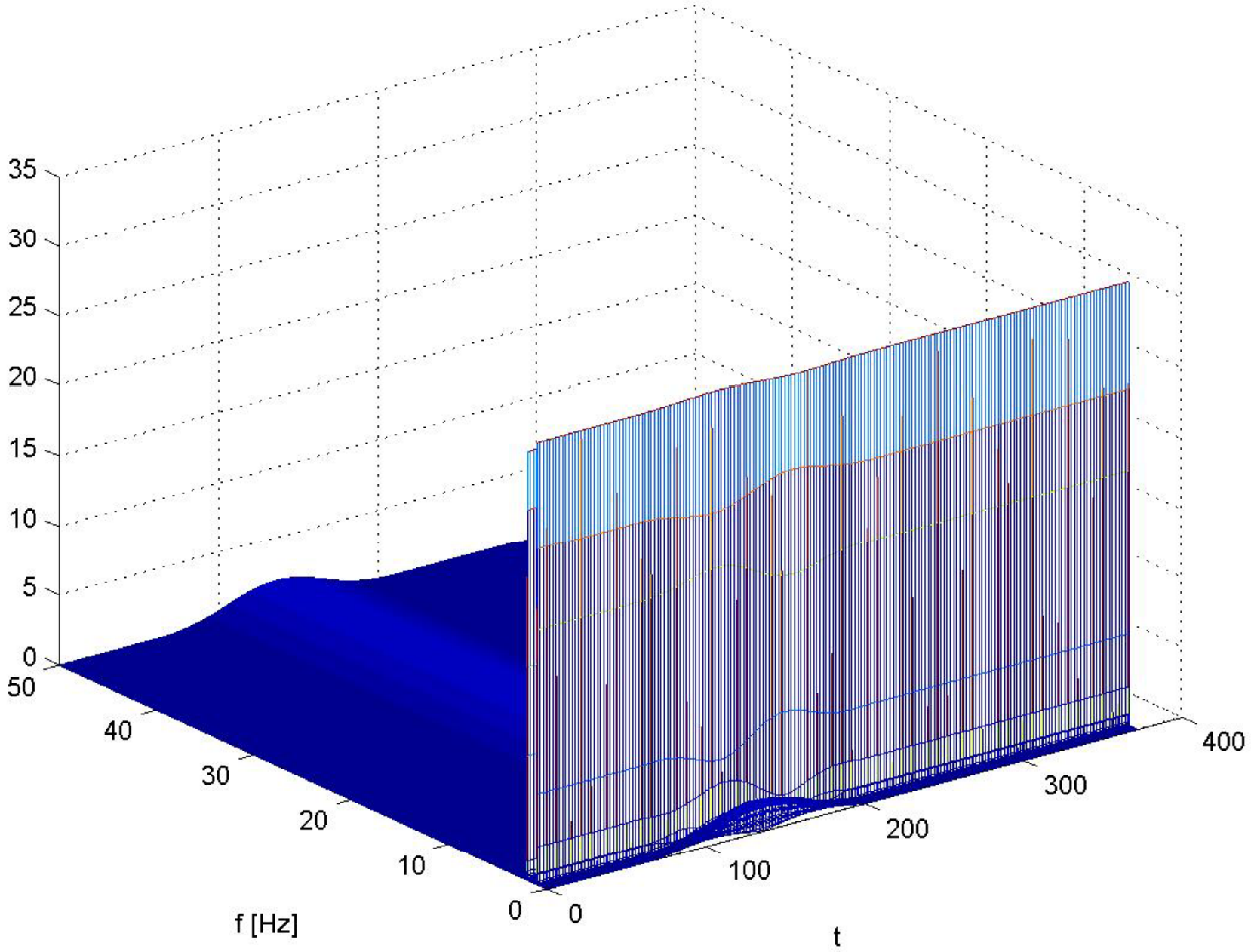

Spectrogram for f(t)=sin(0 2π t)+sin(0 2π t) + 1δ(t-100) + 1δ(t-300)
f [Hz]
t [sample]
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350

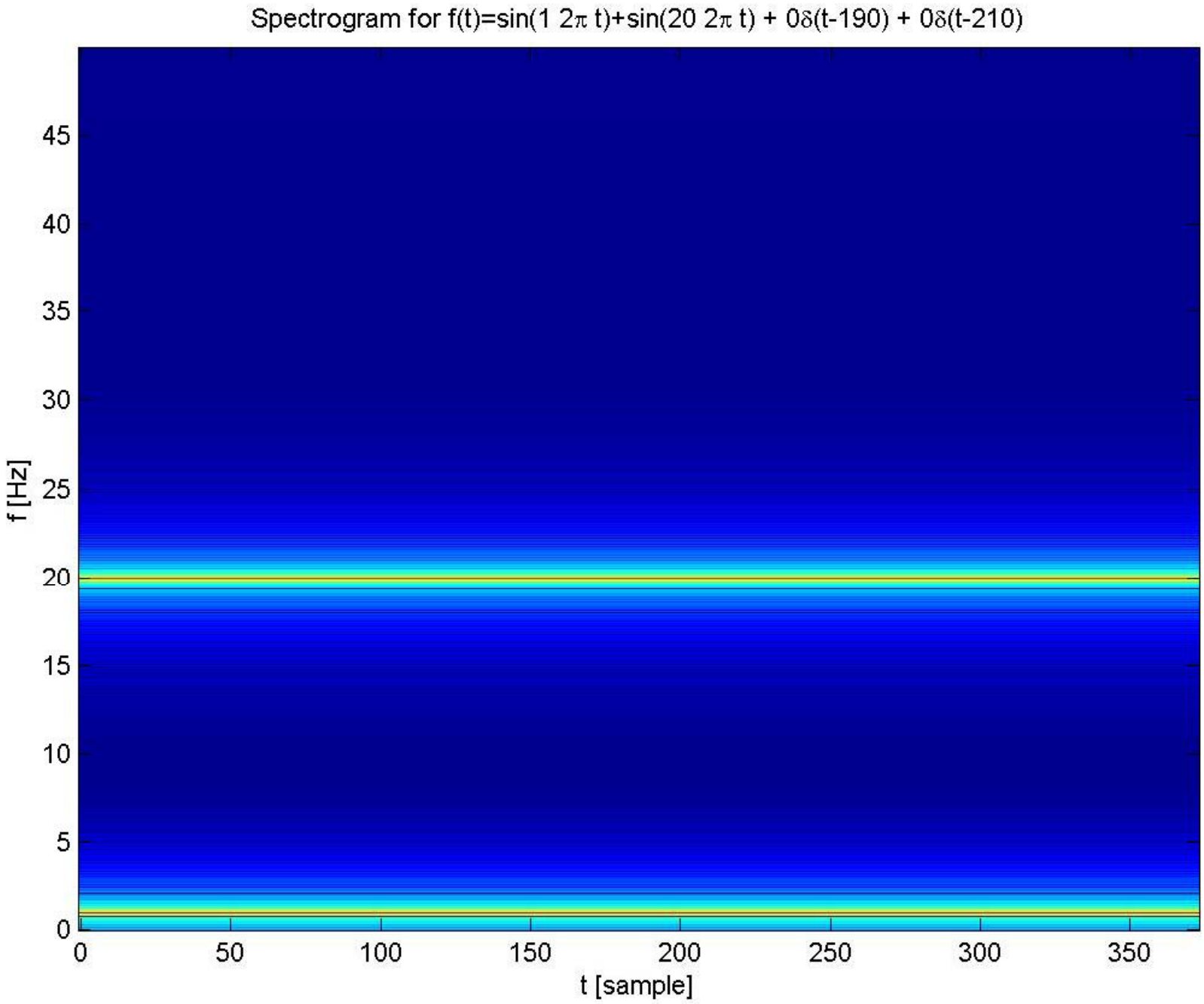

Spectrogram for f(t)=sin(0 2 π t)+sin(0 2 π t) + 1 δ(t-100) + 1 δ(t-300)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
50
40
30
20
10
0
f [Hz]
0
100
200
300
400
t

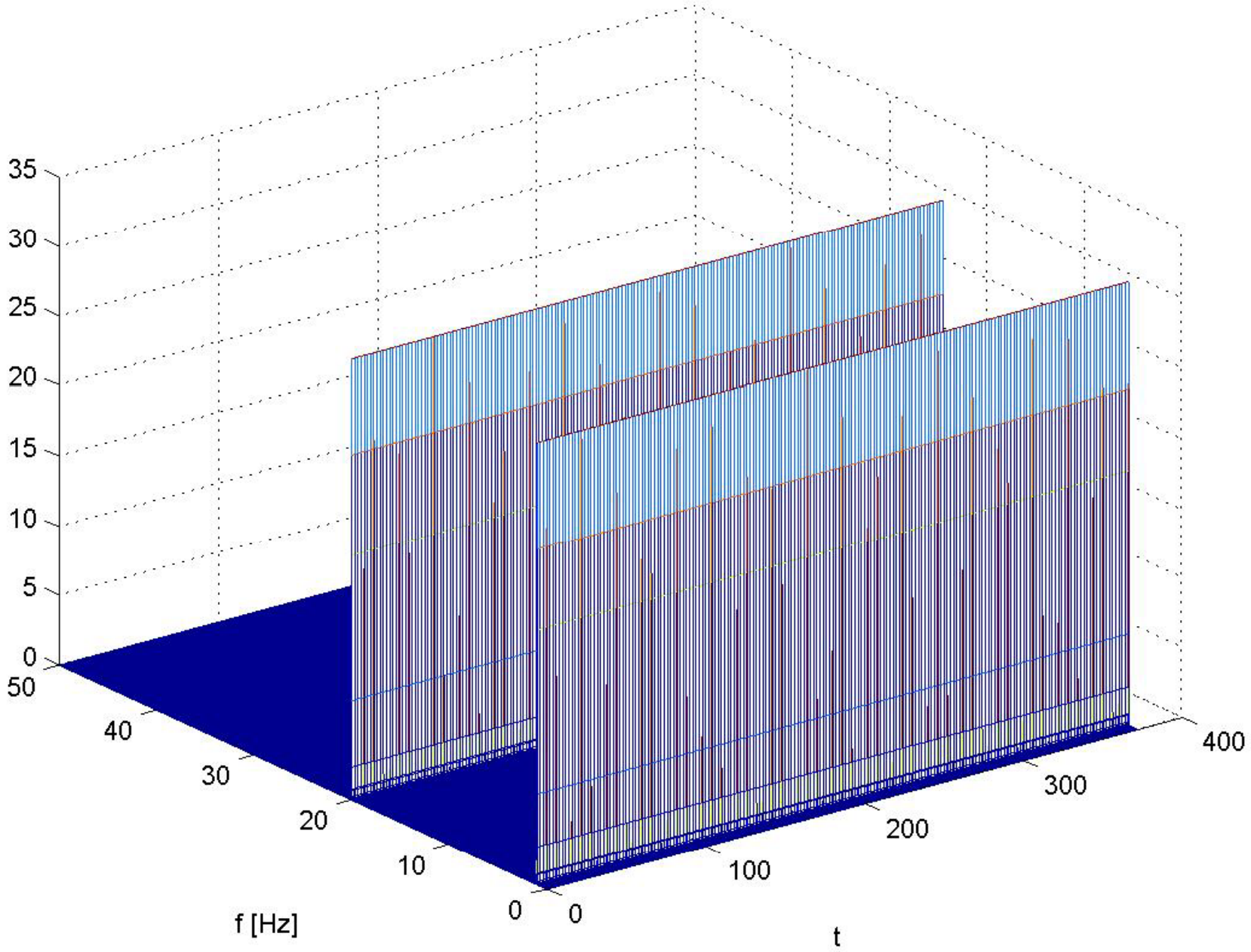

Spectrogram for f(t)=sin(1 2π t)+sin(2 2π t) + 0δ(t-190) + 0δ(t-210)
f [Hz]
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
t [sample]

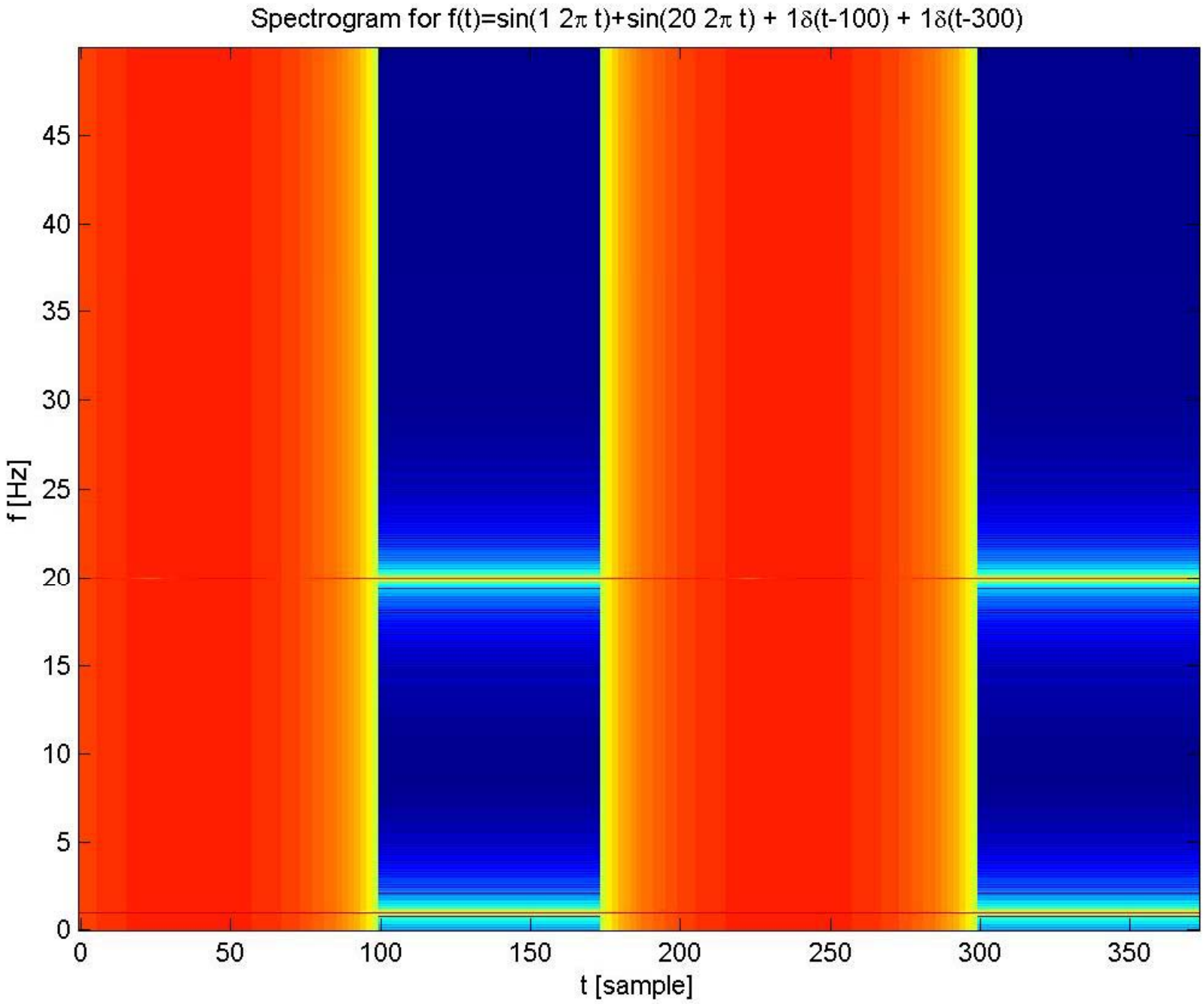

Spectrogram for f(t)=sin(1 2 π t)+sin(2 2 π t) + 0 δ(t-190) + 0 δ(t-210)
35
30
25
20
15
10
5
0
50
40
30
20
10
0
f [Hz]
0
100
200
300
400
t

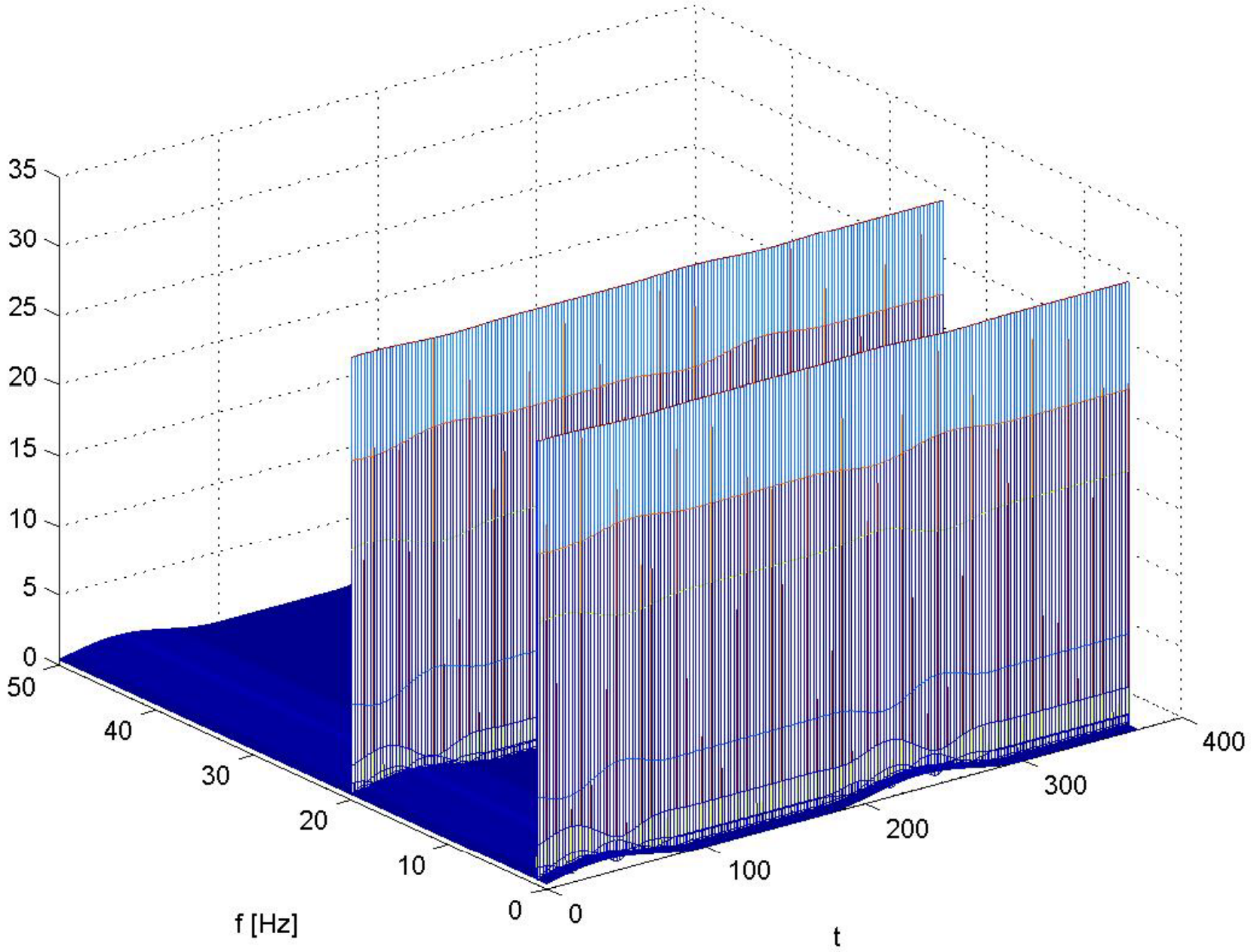

Spectrogram for f(t)=sin(1 2π t)+sin(2 2π t) + 1δ(t-190) + 1δ(t-210)
f [Hz]
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
t [sample]


Spectrogram for f(t)=sin(1 2 π t)+sin(2 2 π t) + 1 δ(t-190) + 1 δ(t-210)
35
30
25
20
15
10
5
0
50
40
30
20
10
0
f [Hz]
0
100
200
300
400
t


Spectrogram for f(t)=sin(1 2π t)+sin(20 2π t) + 0δ(t-190) + 0δ(t-210)
f [Hz]
t [sample]
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350


Spectrogram for f(t)=sin(1 2 π t)+sin(20 2 π t) + 0 δ(t-190) + 0 δ(t-210)
35
30
25
20
15
10
5
0
50
40
30
20
10
0
f [Hz]
0
100
200
300
400
t


Spectrogram for f(t)=sin(1 2π t)+sin(20 2π t) + 1δ(t-100) + 1δ(t-300)
f [Hz]
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
t [sample]


Spectrogram for f(t)=sin(1 2 π t)+sin(20 2 π t) + 1 δ(t-100) + 1 δ(t-300)
35
30
25
20
15
10
5
0
50
40
30
20
10
0
f [Hz]
0
100
200
300
400
t