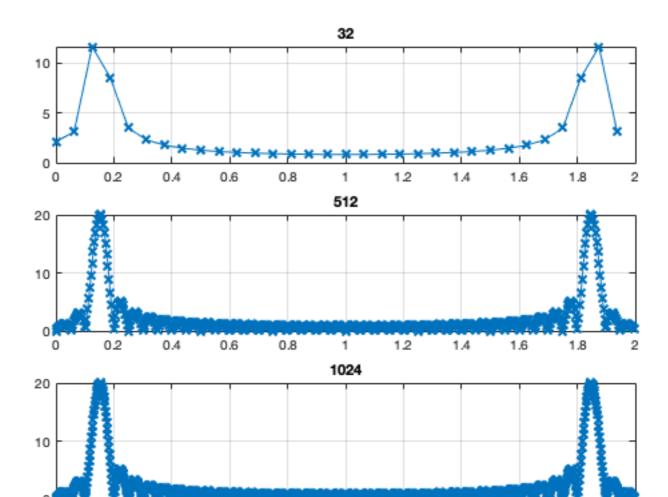
```
%### 3 УЛУЧШЕНИЕ РЕЗУЛЬТАТА БПФ C ПОМОЩЬЮ ДОБАВЛЕНИЙ НУЛЕЙ ###%
clear;
close all;
fs = 2;
ts = 0 : 1/fs : 20-1/fs;
x = cos(2*pi*0.15*ts);
N1 = 32;
N2 = 512;
N3 = 1024;
X1 = abs(fft(x, N1));
X2 = abs(fft(x, N2));
X3 = abs(fft(x, N3));
F1 = (0 : N1-1)*fs/N1;
F2 = (0 : N2-1)*fs/N2;
F3 = (0 : N3-1)*fs/N3;
figure;
subplot(3, 1, 1);
plot(F1, X1, '-x'), grid on, title([num2str(N1)]);
subplot(3, 1, 2);
plot(F2, X2, '-x'), grid on, title([num2str(N2)]);
subplot(3, 1, 3);
plot(F3, X3, '-x'), grid on, title([num2str(N3)]);
```



1.2

1.4

1.6

1.8

1

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0.4

0.6

8.0

0.2