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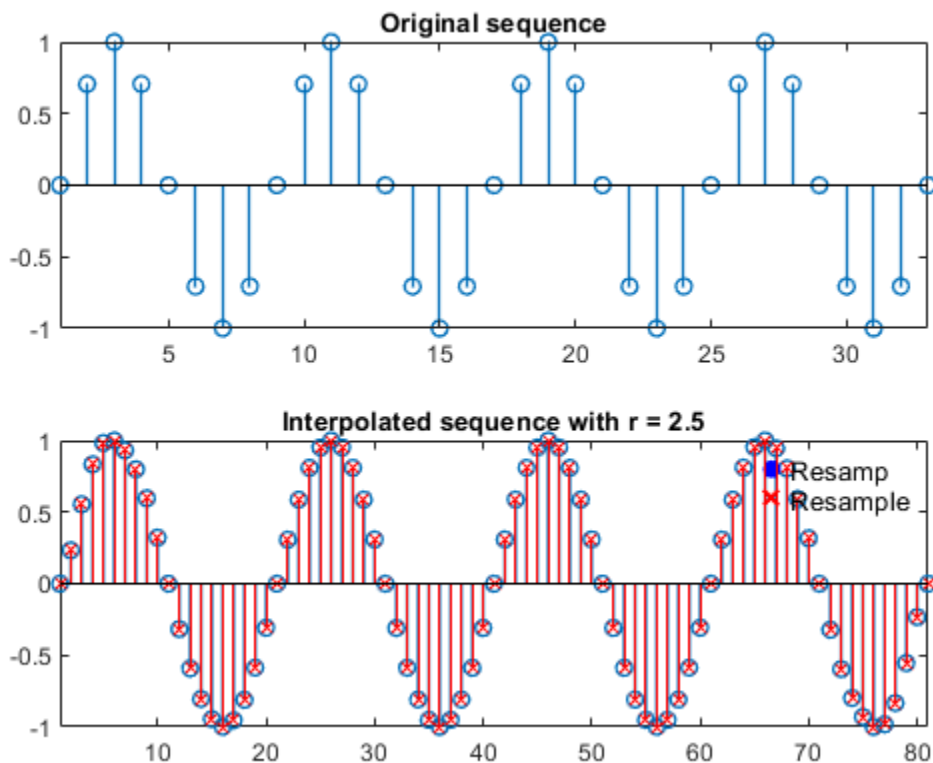
# Lab 7 - Resampling

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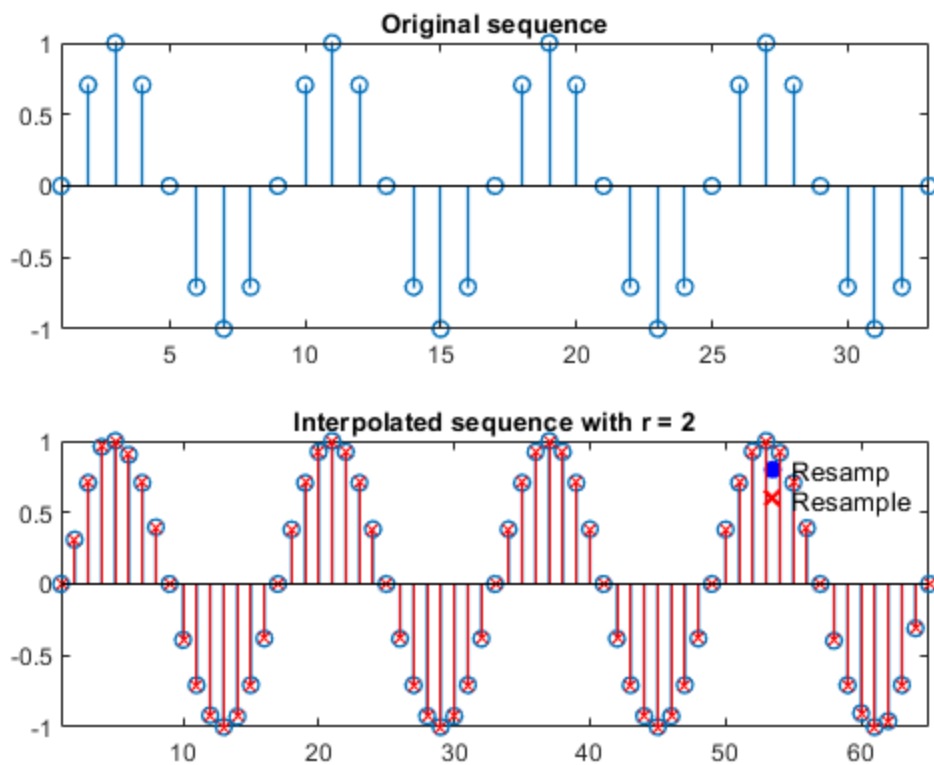
## Testing resampling of a sin at $(5/2)$ fs

```
x = sin(2 * pi * (0:32) / 8);  
test_resamp(x, 2.5);
```



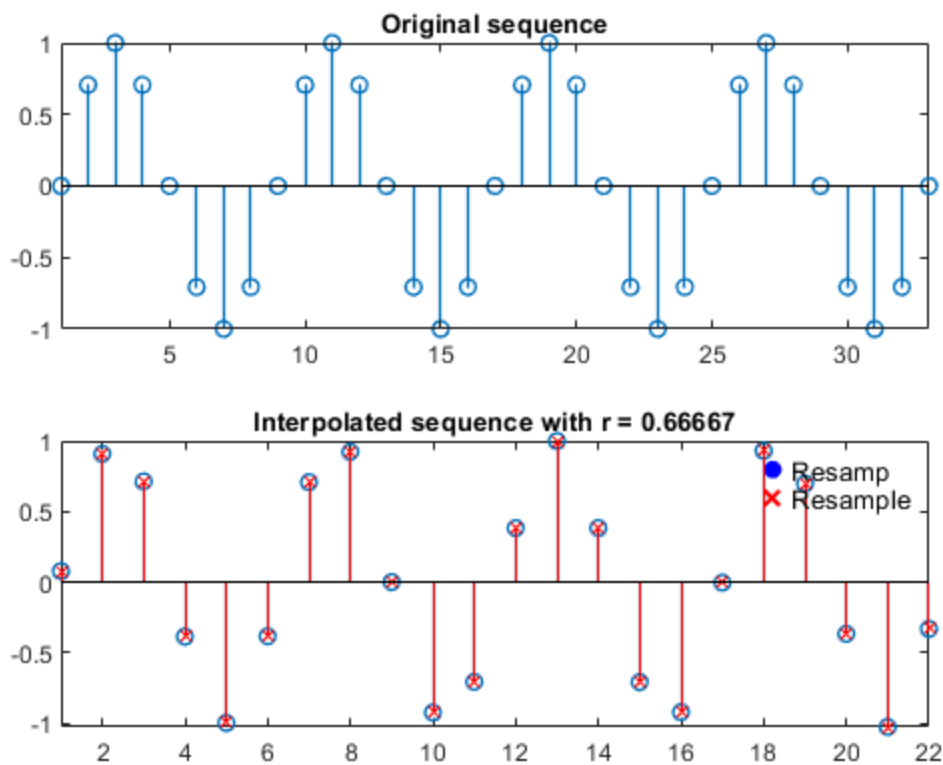
## Testing resampling of a sin at 2fs

```
test_resamp(x, 2);
```



## Testing resampling of a sin at $(2/3)f_s$

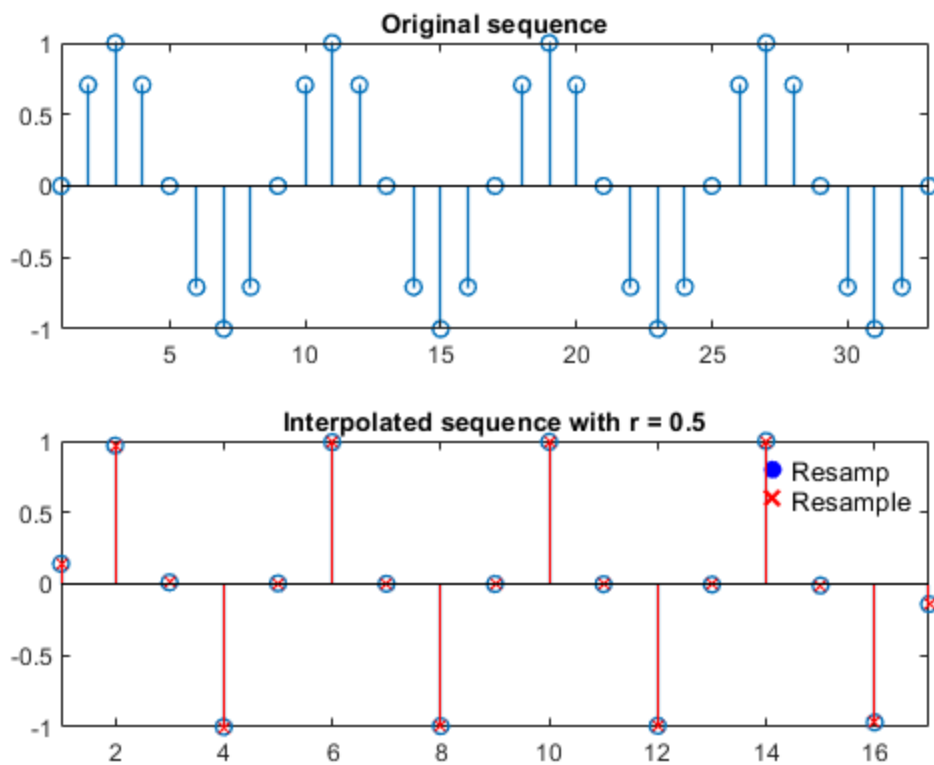
```
test_resamp(x, 0.666667);
```



## Testing resampling of a sin at $(1/2)f_s$

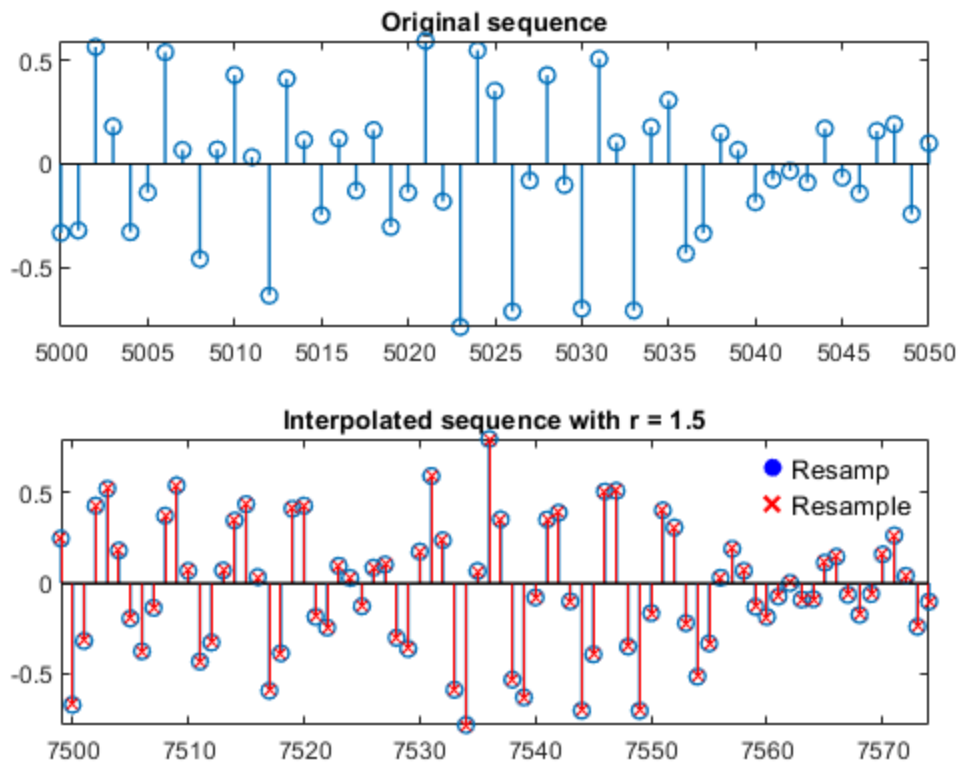
```
test_resamp(x, 0.5);
```

```
% Make sure that you have the file 'seashell.wav' in your directory
[x, fs] = audioread('seashell.wav');
```



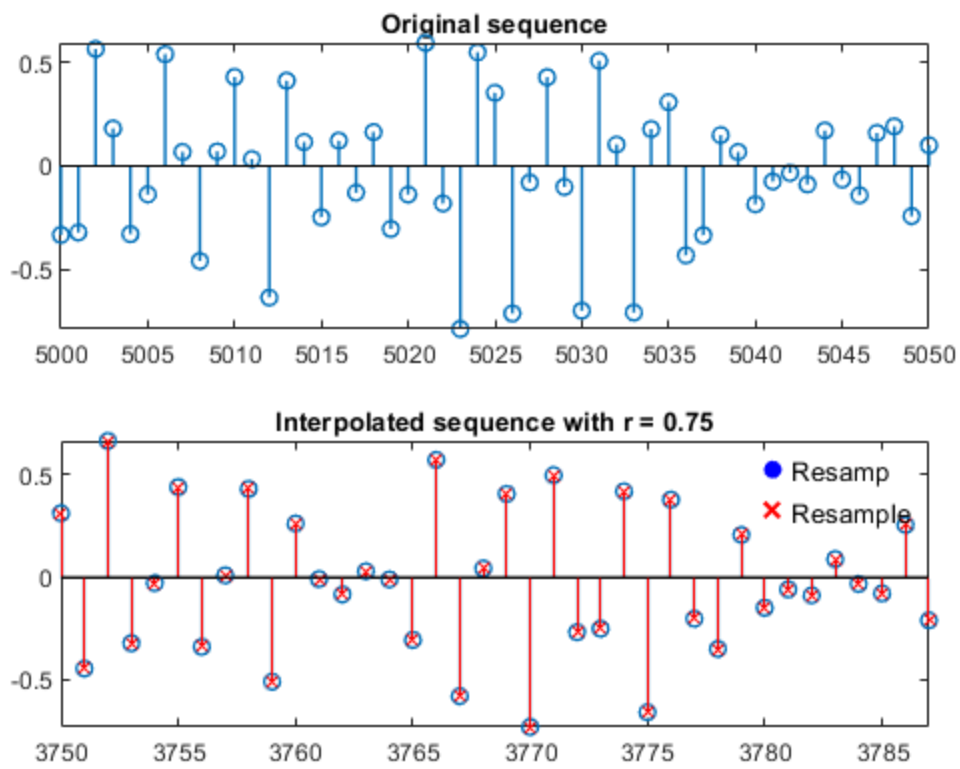
## Testing resampling of 'seashell' at $(3/2)f_s$

```
test_resamp(x, 1.5, 5000, 5050);
```



## Testing resampling of 'seashell' at $(3/4s)fs$

```
test_resamp(x, 0.75, 5000, 5050);
```



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