
```
clear all
```

q = 5

```
fprintf('          ---- Eigenvalues for q = 5 ----\n');
fprintf('          ---- EVEN PERIODIC ----\n');
MathieuEP(5,1);
fprintf('          ---- EVEN ANTIPERIODIC ----\n');
MathieuEA(5,2);
fprintf('          ---- ODD PERIODIC ----\n');
MathieuOP(5,3);
fprintf('          ---- ODD ANTIPERIODIC ----\n');
MathieuOA(5,4);
```

q = 25

```
fprintf('\n\n')
fprintf('          ---- Eigenvalues for q = 25 ----\n');
fprintf('          ---- EVEN PERIODIC ----\n');
MathieuEP(25,5);
fprintf('          ---- EVEN ANTIPERIODIC ----\n');
MathieuEA(25,6);
fprintf('          ---- ODD PERIODIC ----\n');
MathieuOP(25,7);
fprintf('          ---- ODD ANTIPERIODIC ----\n');
MathieuOA(25,8);
```

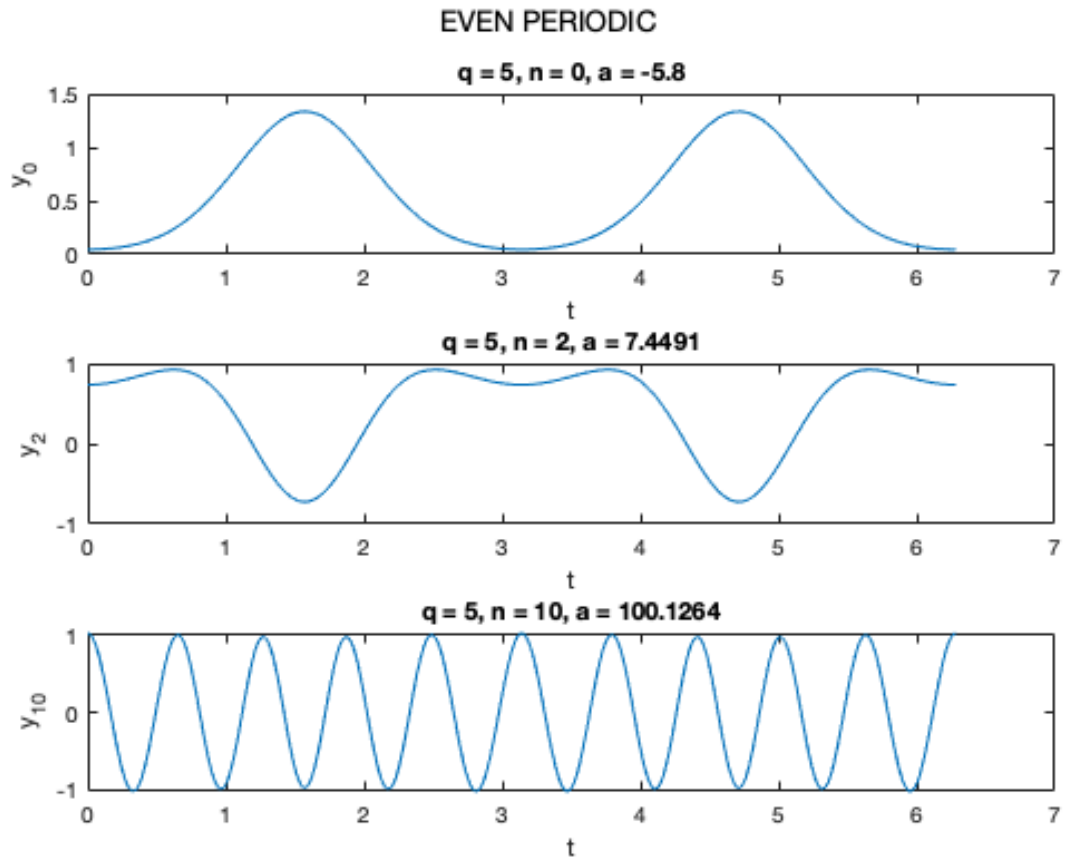
```
          ---- Eigenvalues for q = 5 ----
          ---- EVEN PERIODIC ----
a_0 = -5.800046021
a_2 = 7.44910974
a_10 = 100.1263692
          ---- EVEN ANTIPERIODIC ----
a_1 = 1.858187542
a_15 = 225.0558125
          ---- ODD PERIODIC ----
b_2 = 2.099460445
b_10 = 100.1263692
          ---- ODD ANTIPERIODIC ----
b_1 = -5.790080599
b_15 = 225.0558125
```

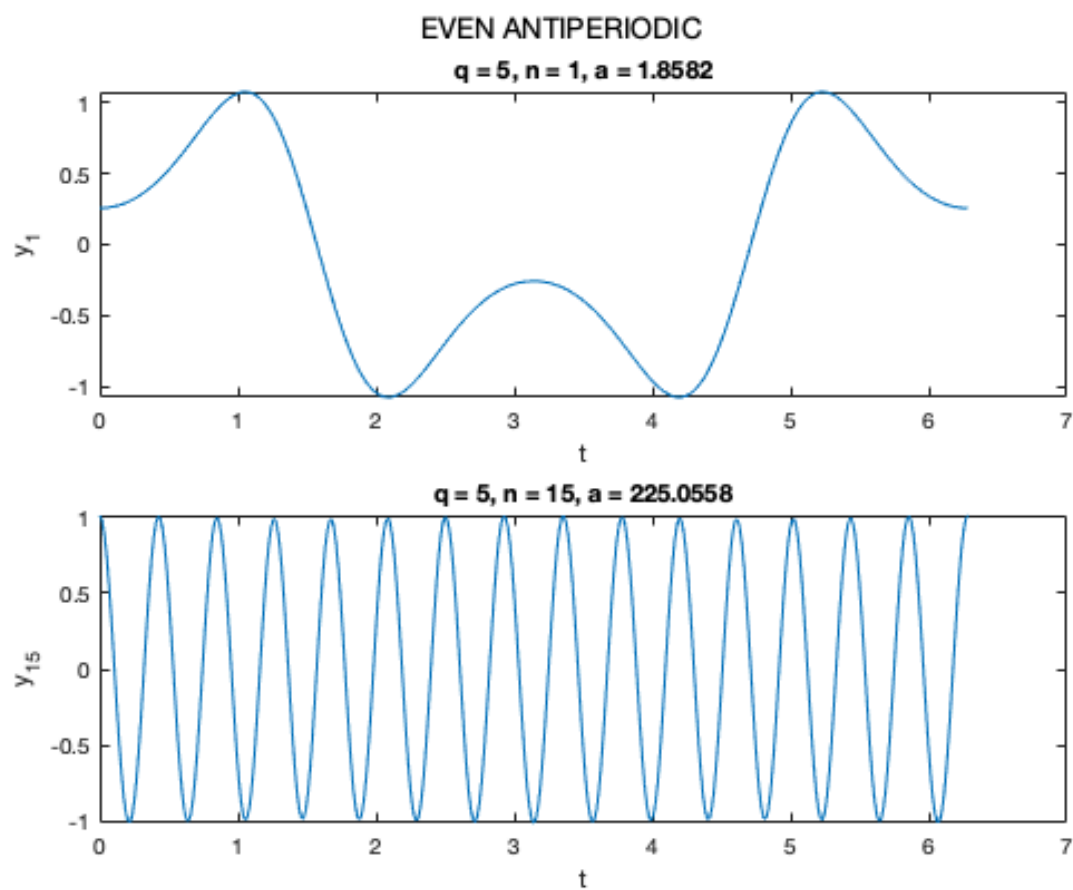
```
          ---- Eigenvalues for q = 25 ----
          ---- EVEN PERIODIC ----
a_0 = -40.25677955
a_2 = -3.522164727
a_10 = 103.2302048
          ---- EVEN ANTIPERIODIC ----
a_1 = -21.31489969
```

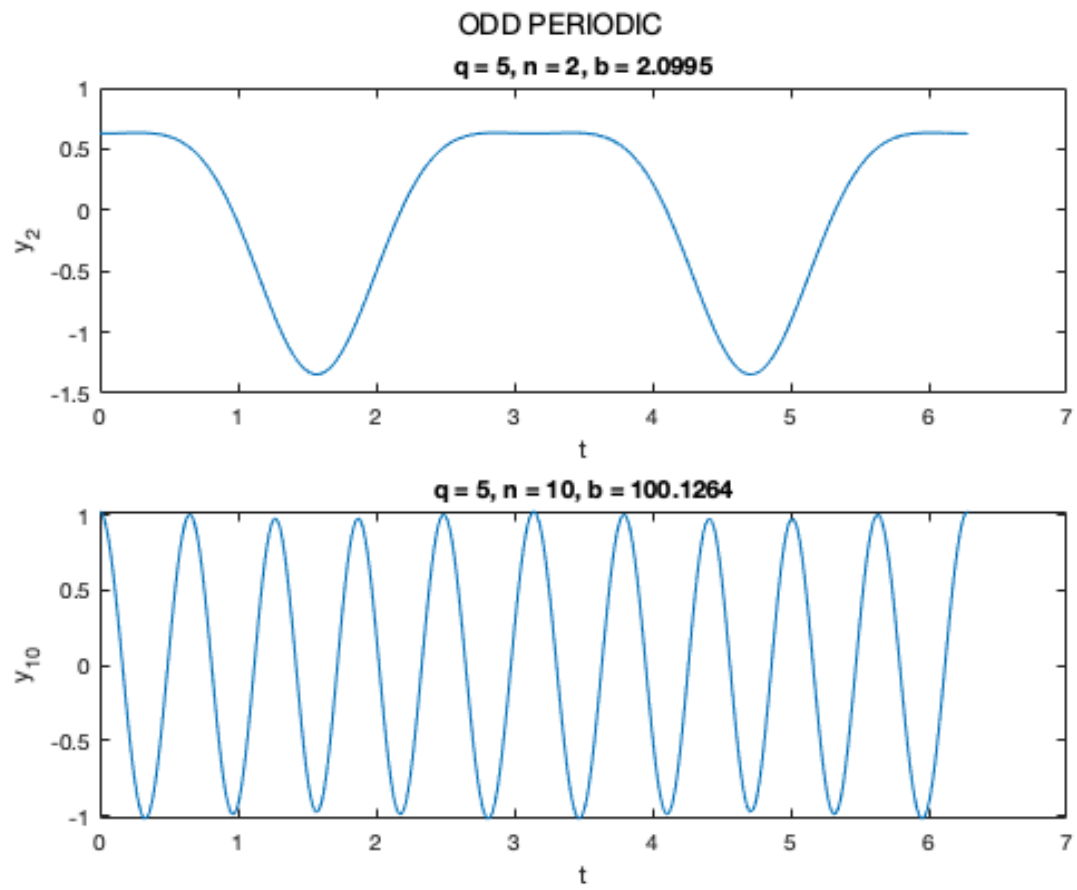
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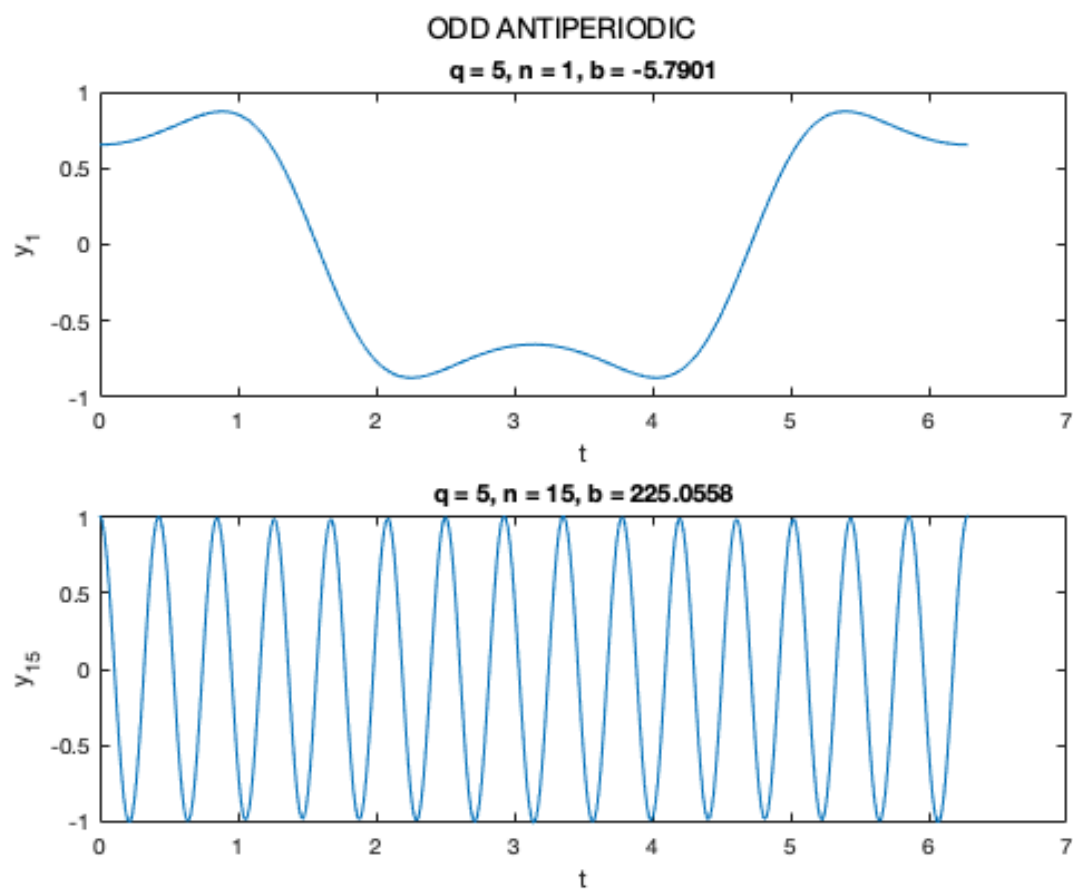
a_15 = 226.40072
      ---- ODD PERIODIC ----
b_2 = -21.31486062
b_10 = 103.22568
      ---- ODD ANTIPERIODIC ----
b_1 = -40.25677898
b_15 = 226.40072

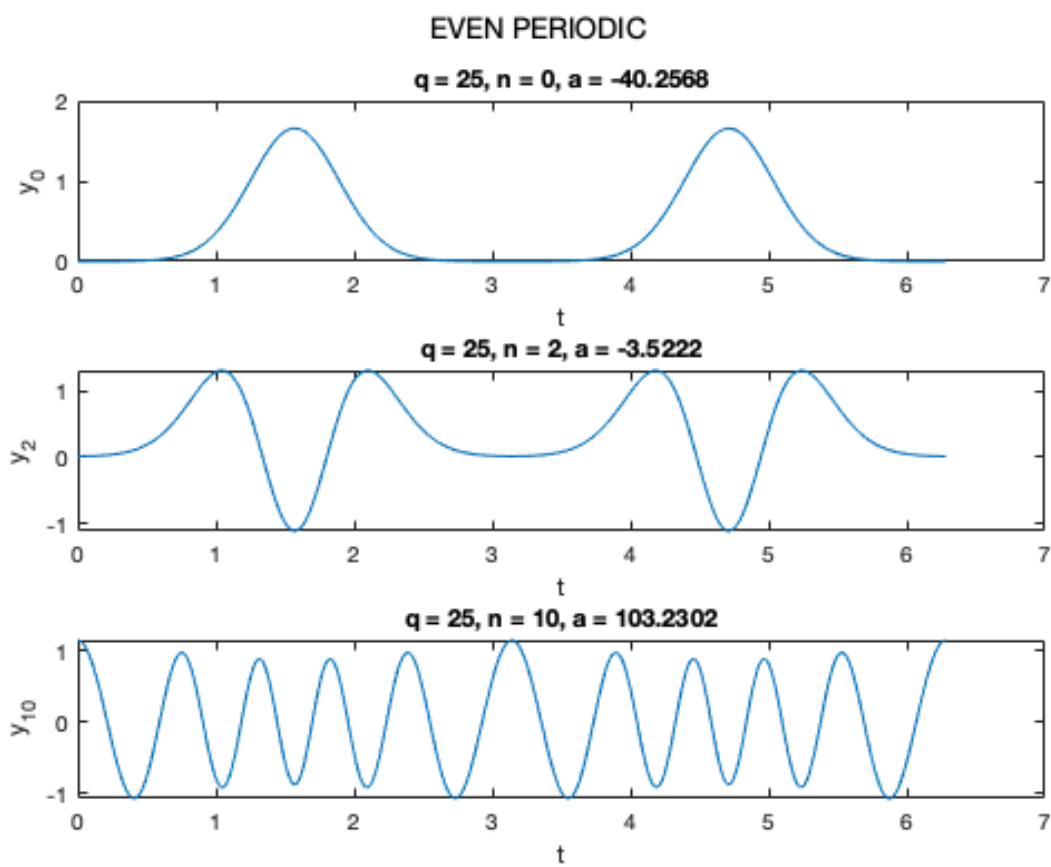
```

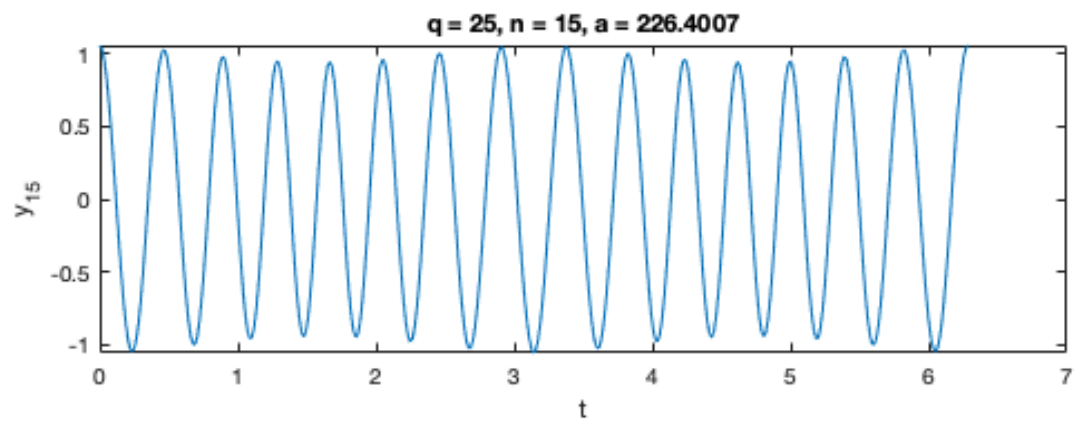
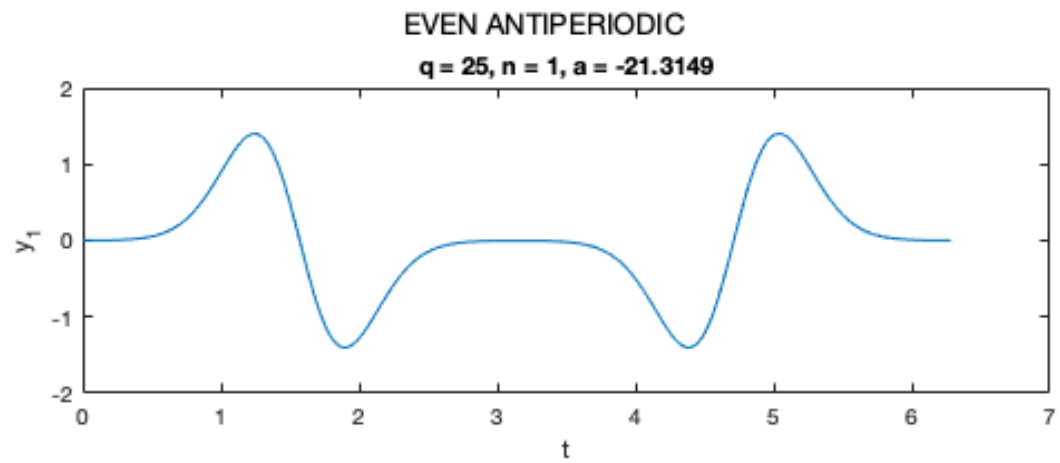


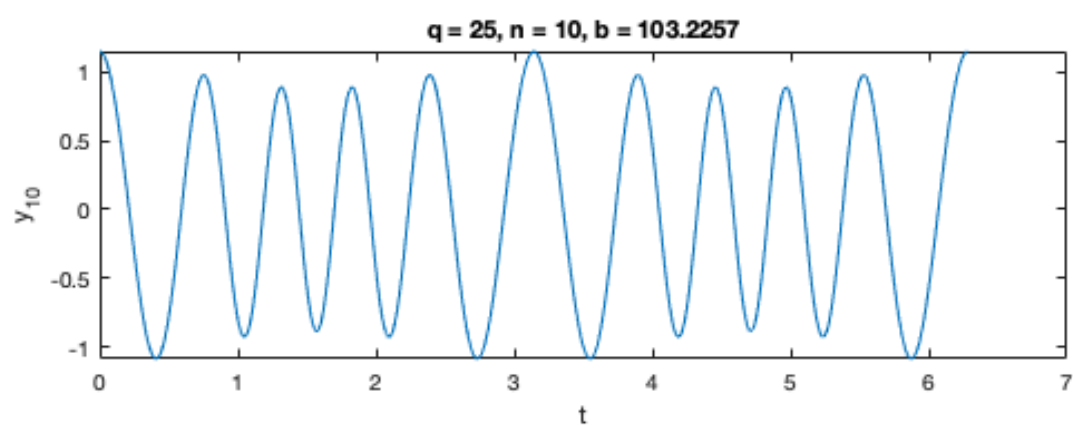
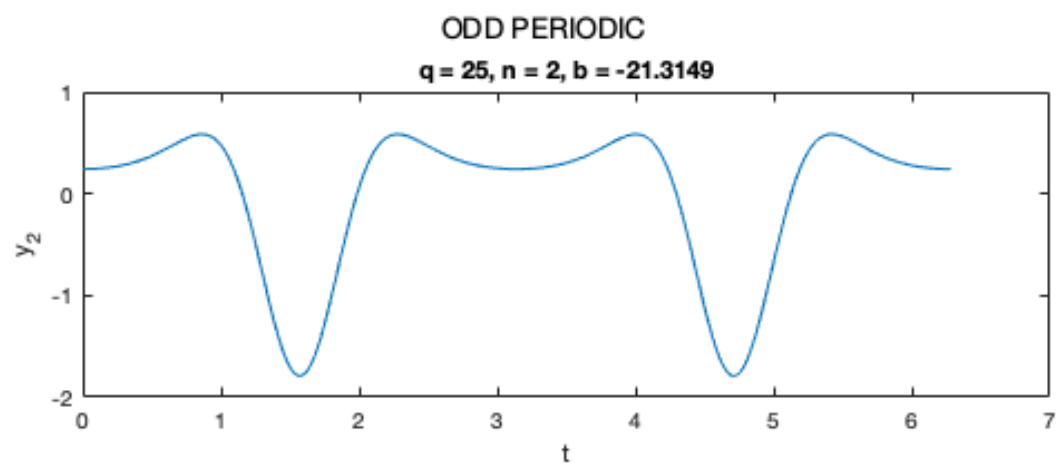


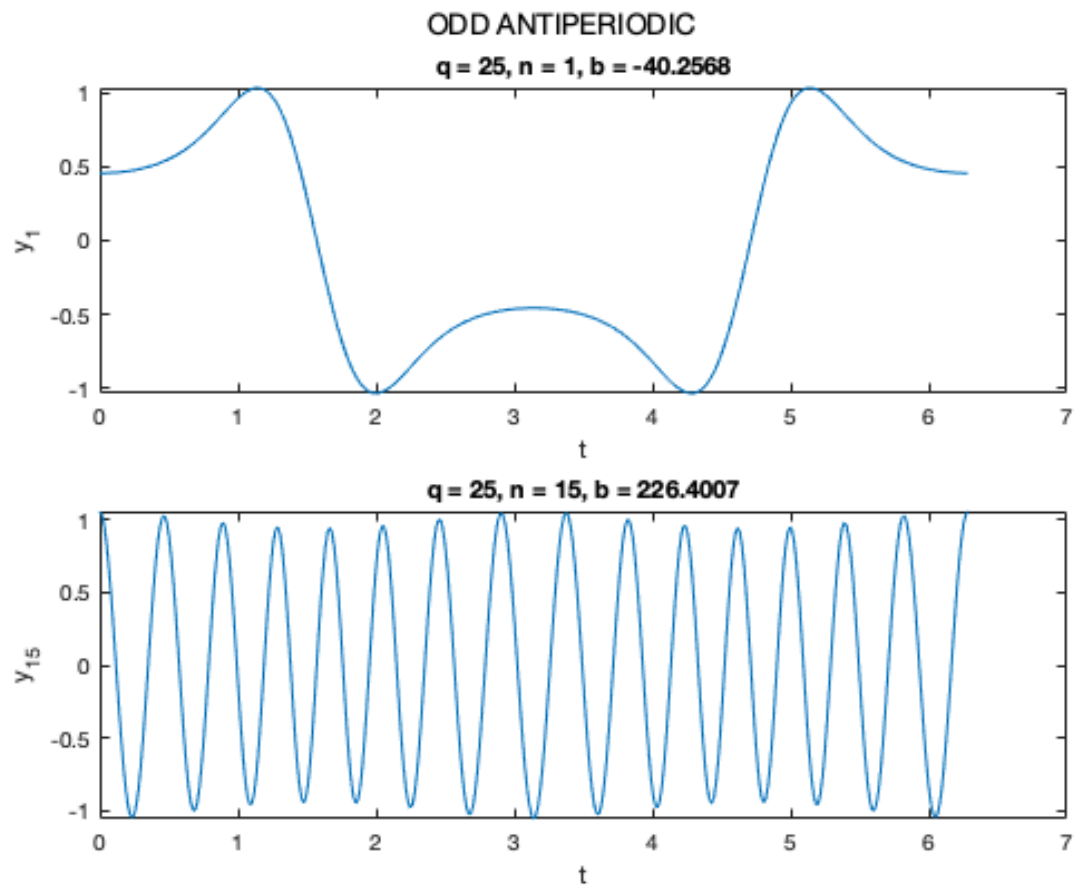












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