Pulse Estimation

Problem 11.4

Contents

Setup

Setup

```
clear;
for K = 2:10
    A = toeplitz([-1; 1; 1; zeros((K), 1)], [-1, zeros(1, K)]);
    A(1:3, 1) = [1; 1; 0];
    % A = A(1:end-1, :);
    A(end-2:end) = [0; -1; 1];
    % A
    m = inv(A' * A);
    disp(["For k = ", num2str(K)])
    m = m(end, :)
end
```

```
m =
```

0.0182 0.0364 0 0.0909 0 0.2364 0.6182

"For k = " "7"

m =

Columns 1 through 7

0 0 0.0294 0 0.0882 0 0.2353

Column 8

0.6176

"For k = " "8"

m =

Columns 1 through 7

0.0069 0.0139 0 0.0347 0 0.0903 0

Columns 8 through 9

0.2361 0.6181

"For k = " "9"

m =

Columns 1 through 7

0 0.0112 0.0337 0.0899

Columns 8 through 10

0 0.2360 0.6180

"For k = " "10"

m =

Columns 1 through 7

0.0027 0.0053 0 0.0133 0 0.0345 0

Columns 8 through 11

0.0902 0 0.2361 0.6180

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