

```
>> taumain
```

```
Iteration number: 1
```

```
Value of tau: 1
```

```
The number of iterations: 240
```

```
xhat =
```

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

```
Iteration number: 2
```

```
Value of tau: 5.000000e-01
```

```
The number of iterations: 158
```

```
xhat =
```

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

```
Iteration number: 3
```

```
Value of tau: 2.500000e-01
```

```
The number of iterations: 139
```

```
xhat =
```

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

```
Iteration number: 4
```

```
Value of tau: 1.250000e-01
```

```
The number of iterations: 835
```

```
xhat =
```

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

Iteration number: 5
 Value of tau: 6.250000e-02
 The number of iterations: 1564

xhat =

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

Iteration number: 6
 Value of tau: 3.125000e-02
 The number of iterations: 2953

xhat =

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

Iteration number: 7
 Value of tau: 1.562500e-02
 The number of iterations: 5596

xhat =

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

Iteration number: 8
Value of tau: 7.812500e-03
The number of iterations: 10583

xhat =

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

Iteration number: 9
Value of tau: 3.906250e-03
The number of iterations: 19986

xhat =

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

Iteration number: 10
Value of tau: 1.953125e-03
The number of iterations: 19999

xhat =

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0.1890 | 0.1320 | 0.0925 | 0.0651 | 0.0459 | 0.0324 | 0.0229 | 0.0162✓ |
| 0.0114 | 0.0080 | | | | | | |
| 0.1382 | 0.1055 | 0.0793 | 0.0586 | 0.0427 | 0.0308 | 0.0221 | 0.0158✓ |
| 0.0112 | 0.0080 | | | | | | |
| 0.0739 | 0.0413 | 0.0222 | 0.0116 | 0.0060 | 0.0030 | 0.0015 | 0.0008✓ |
| 0.0004 | 0.0002 | | | | | | |
| 0.8807 | 0.8665 | 0.8784 | 0.9004 | 0.9230 | 0.9424 | 0.9577 | 0.9694✓ |
| 0.9780 | 0.9839 | | | | | | |

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