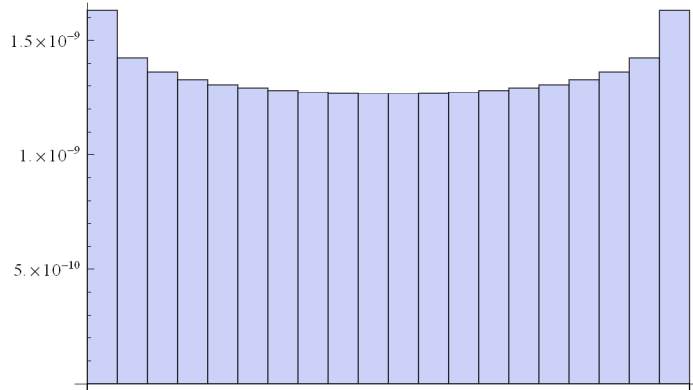



```
ans = LinearSolve[listmatA, vecA]
```

```
{1.63126 × 10-9, 1.42325 × 10-9, 1.36206 × 10-9, 1.32803 × 10-9, 1.30623 × 10-9,
 1.29136 × 10-9, 1.28104 × 10-9, 1.27404 × 10-9, 1.26967 × 10-9, 1.26756 × 10-9,
 1.26756 × 10-9, 1.26967 × 10-9, 1.27404 × 10-9, 1.28104 × 10-9, 1.29136 × 10-9,
 1.30623 × 10-9, 1.32803 × 10-9, 1.36206 × 10-9, 1.42325 × 10-9, 1.63126 × 10-9}
```

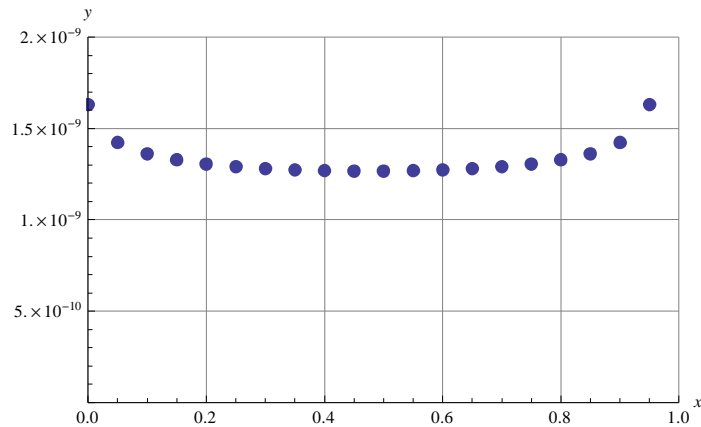
```
BarChart[ans, BarSpacing -> None]
```



```
data = Table[{xn[[i]], ans[[i]]}, {i, 1, nx}]
```

```
{ {0, 1.63126 × 10-9}, {1/20, 1.42325 × 10-9}, {1/10, 1.36206 × 10-9}, {3/20, 1.32803 × 10-9},
 {1/5, 1.30623 × 10-9}, {1/4, 1.29136 × 10-9}, {3/10, 1.28104 × 10-9}, {7/20, 1.27404 × 10-9},
 {2/5, 1.26967 × 10-9}, {9/20, 1.26756 × 10-9}, {1/2, 1.26756 × 10-9}, {11/20, 1.26967 × 10-9},
 {3/5, 1.27404 × 10-9}, {13/20, 1.28104 × 10-9}, {7/10, 1.29136 × 10-9}, {3/4, 1.30623 × 10-9},
 {4/5, 1.32803 × 10-9}, {17/20, 1.36206 × 10-9}, {9/10, 1.42325 × 10-9}, {19/20, 1.63126 × 10-9}}
```

```
ListPlot[data, GridLines -> Automatic, AxesLabel -> {x, y},
  PlotStyle -> PointSize[Large], PlotRange -> {{0, 1}, {0, 2 × 10-9}}
```



```
pulsex[x_, x1_, x2_] := Which[
  x < x1, 0,
  x ≥ x1 && x ≤ x2, 1,
  x > x2, 0
]
```