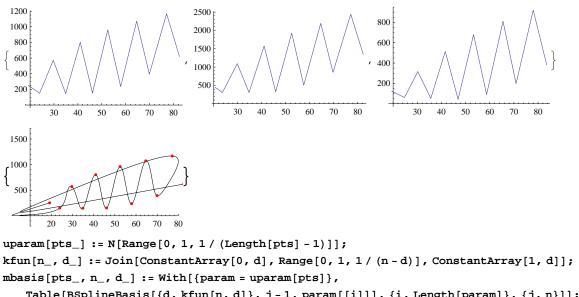
```
peak3 = {19.4, 123.6, 30.2, 315.8, 41.6, 513.9, 53.3, 680.7, 65.5, 810.1, 78, 921, 9};
trough3 = {24.7, 60.8, 35.6, 53.0, 46.9, 43.2, 58.7, 90.2, 70.9, 198.1, 83.6, 380.5};
peak2 = {20.5, 451.6, 29.8, 1091.6, 41.0, 1576.3, 52.5, 1929.9, 64.6, 2193.8, 77.1, 2443.2};
trough2 = {23.6, 305.2, 34.7, 308.3, 45.8, 326.6, 57.5, 504.6, 69.7, 858.2, 82.3, 1351.9};
peak1 = {19.2, 253.0, 29.7, 570.8, 41.0, 802.3, 52.5, 961.2, 64.6, 1073.0, 77.1, 1167.1};
trough1 = {24.0, 151.0, 34.9, 147.1, 46.1, 153, 57.9, 235.4, 69.9, 394.3, 82.5, 619.8};
t = {peak1, peak2, peak3, trough1, trough2, trough3};
t = Table[Partition[t[[k]], 2], {k, 1, 6}];
trough1 = t[[4]] // TableForm
24. 151.
34.9 147.1
46.1 153
57.9 235.4
69.9 394.3
82.5 619.8
U = trough1[[All, 1]]
{24., 34.9, 46.1, 57.9, 69.9, 82.5}
\overline{U0} = \frac{82.5 - 24}{5} = 11.7
U0i = Table[U[[i+1]] - U[[i]], \{i, 1, 5\}]
{10.9, 11.2, 11.8, 12., 12.6}
u = \sqrt{\frac{\text{Total}[(U0i - 11.7)^2]}{5 * 4}} = 0.3
U0百分差 = \left| \frac{\overline{\text{U0}} - 11.55}{11.55} \right| \times 100 \% = 1.2987 \%
Grid[{Append[Reverse[U], "谷类电位差Ui/v"] // Reverse,
  Append [Reverse [U0i], "谷类电位差U0i/v"] // Reverse ], Frame → All]
                       34.9 46.1 57.9 69.9 82.5
 谷类电位差Ui/v
 谷类电位差U0i/v 10.9 11.2 11.8 12. 12.6
```

## Flatten[Table[{t[[k]], t[[3+k]]}, {k, 1, 3}], 1] // MatrixForm

$$\begin{pmatrix} \begin{pmatrix} 19.2 \\ 253. \end{pmatrix} & \begin{pmatrix} 29.7 \\ 570.8 \end{pmatrix} & \begin{pmatrix} 41. \\ 802.3 \end{pmatrix} & \begin{pmatrix} 52.5 \\ 961.2 \end{pmatrix} & \begin{pmatrix} 64.6 \\ 1073. \end{pmatrix} & \begin{pmatrix} 77.1 \\ 1167.1 \end{pmatrix} \\ \begin{pmatrix} 24. \\ 151. \end{pmatrix} & \begin{pmatrix} 34.9 \\ 147.1 \end{pmatrix} & \begin{pmatrix} 46.1 \\ 153 \end{pmatrix} & \begin{pmatrix} 57.9 \\ 235.4 \end{pmatrix} & \begin{pmatrix} 69.9 \\ 394.3 \end{pmatrix} & \begin{pmatrix} 82.5 \\ 619.8 \end{pmatrix} \\ \begin{pmatrix} 20.5 \\ 451.6 \end{pmatrix} & \begin{pmatrix} 29.8 \\ 1091.6 \end{pmatrix} & \begin{pmatrix} 41. \\ 1576.3 \end{pmatrix} & \begin{pmatrix} 52.5 \\ 1929.9 \end{pmatrix} & \begin{pmatrix} 64.6 \\ 2193.8 \end{pmatrix} & \begin{pmatrix} 77.1 \\ 2443.2 \end{pmatrix} \\ \begin{pmatrix} 23.6 \\ 305.2 \end{pmatrix} & \begin{pmatrix} 34.7 \\ 308.3 \end{pmatrix} & \begin{pmatrix} 45.8 \\ 326.6 \end{pmatrix} & \begin{pmatrix} 57.5 \\ 504.6 \end{pmatrix} & \begin{pmatrix} 69.7 \\ 858.2 \end{pmatrix} & \begin{pmatrix} 82.3 \\ 1351.9 \end{pmatrix} \\ \begin{pmatrix} 19.4 \\ 123.6 \end{pmatrix} & \begin{pmatrix} 30.2 \\ 315.8 \end{pmatrix} & \begin{pmatrix} 41.6 \\ 513.9 \end{pmatrix} & \begin{pmatrix} 53.3 \\ 680.7 \end{pmatrix} & \begin{pmatrix} 65.5 \\ 810.1 \end{pmatrix} & \begin{pmatrix} 78 \\ 921 \end{pmatrix} \\ \begin{pmatrix} 24.7 \\ 60.8 \end{pmatrix} & \begin{pmatrix} 35.6 \\ 53. \end{pmatrix} & \begin{pmatrix} 46.9 \\ 43.2 \end{pmatrix} & \begin{pmatrix} 58.7 \\ 90.2 \end{pmatrix} & \begin{pmatrix} 70.9 \\ 198.1 \end{pmatrix} & \begin{pmatrix} 83.6 \\ 380.5 \end{pmatrix}$$

$$\begin{split} & \text{data[k\_] := Flatten[Transpose[\{t[[k]], t[[3+k]]\}], 1];} \\ & \text{Table[ListPlot[data[k], Joined} \rightarrow \text{True], \{k, 1, 3\}]} \end{split}$$



{b, 30, 140, 5}, {min, 5, 80}, {max, 20, 80}, {k, 1, 3}]