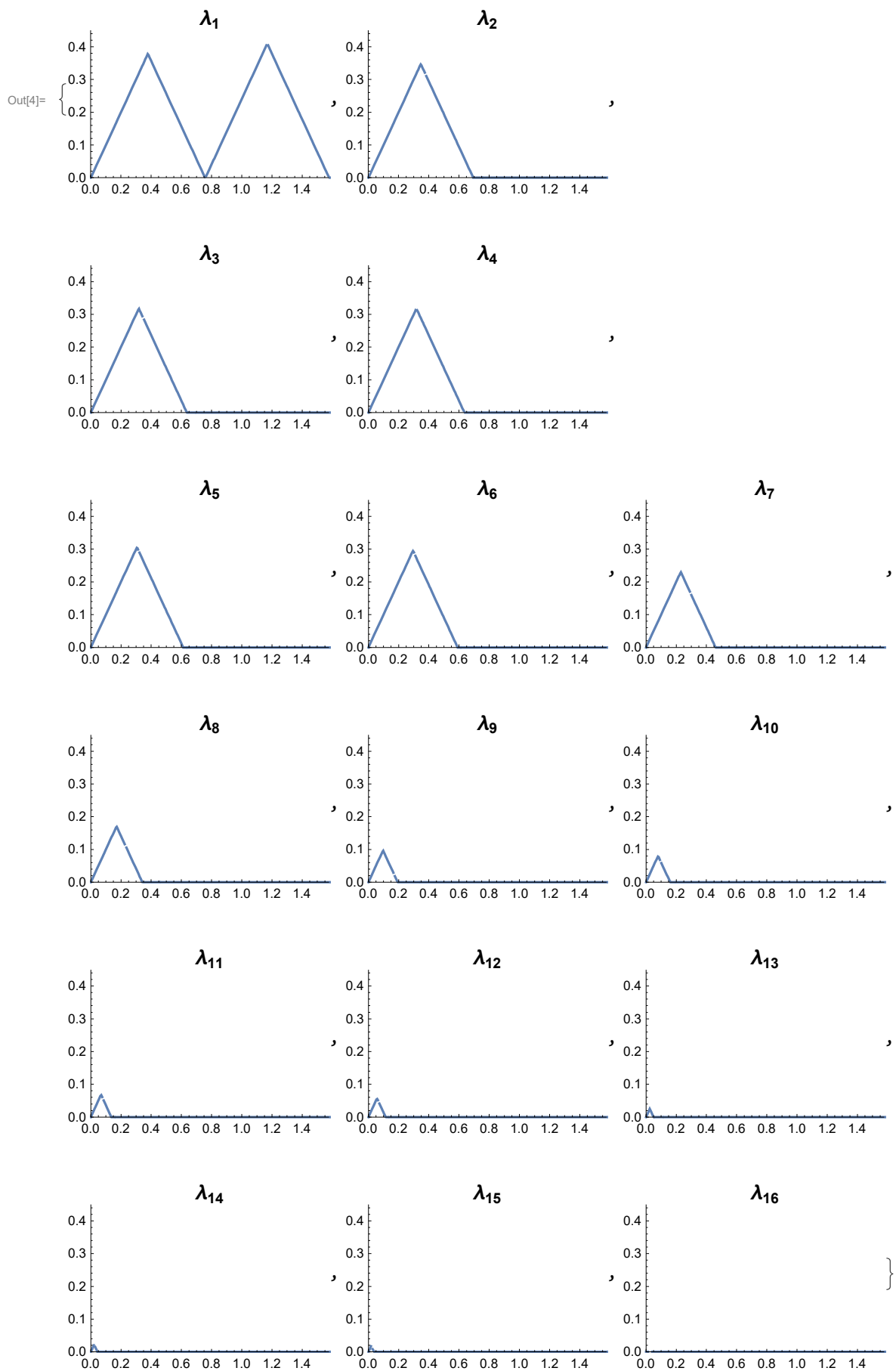


```
In[1]:=  $\Delta[t_, b_, d_] := \text{Max}[\{0, \text{Min}[\{t - b, d - t\}]\}]$ 
 $\lambda[t_, k_, bd_] := \text{Module}[\{l = \{\}, i = 1\},$ 
  For[i = 1, i ≤ Length[bd], i++, AppendTo[l,  $\Delta[t, bd[[i]][[1]], bd[[i]][[2]]$ ]];
  Return[Sort[l, (#1 > #2) &][[k]]]]
```

```
In[3]:= bd = {{0.7596, 1.5781}, {0.0000, 0.7571}, {0.0000, 0.6946}, {0.0000, 0.6360},
  {0.0000, 0.6357}, {0.0000, 0.6119}, {0.0000, 0.5906}, {0.0000, 0.4604},
  {0.0000, 0.3413}, {0.0000, 0.1942}, {0.0000, 0.1603}, {0.0000, 0.1360},
  {0.0000, 0.1140}, {0.0000, 0.0500}, {0.0000, 0.0447}, {0.0000, 0.0361}}
```

```
Out[3]:= {{0.7596, 1.5781}, {0., 0.7571}, {0., 0.6946}, {0., 0.636}, {0., 0.6357},
  {0., 0.6119}, {0., 0.5906}, {0., 0.4604}, {0., 0.3413}, {0., 0.1942},
  {0., 0.1603}, {0., 0.136}, {0., 0.114}, {0., 0.05}, {0., 0.0447}, {0., 0.0361}}
```

```
In[4]:= Table[Plot[ $\lambda[k, i, bd]$ , {k, 0, Length[bd]},
  PlotRange → {{Min[bd], Max[bd]}, {0, 0.45}}, ImageSize → Small,
  PlotLabel → Style[StringForm[" $\lambda_{\cdot\cdot}$ ", i], FontSize → 14, FontWeight → Bold]], {i,
  1, Length[bd]}]
```



```
In[5]:= functions = Table[ $\lambda[k, i, bd]$ , {i, 1, Length[bd]}];
legends = Table[StringForm[" $\lambda_{\cdot}$ "], i], {i, 1, Length[bd]}];
```

```
In[7]:= r = Plot[functions, {k, Min[bd], Max[bd]},
PlotRange -> {{Min[bd], Max[bd]}, {0, 0.45}},
PlotStyle -> Blue, ImageSize -> Large, PlotLabel -> "Landscape"]
```

