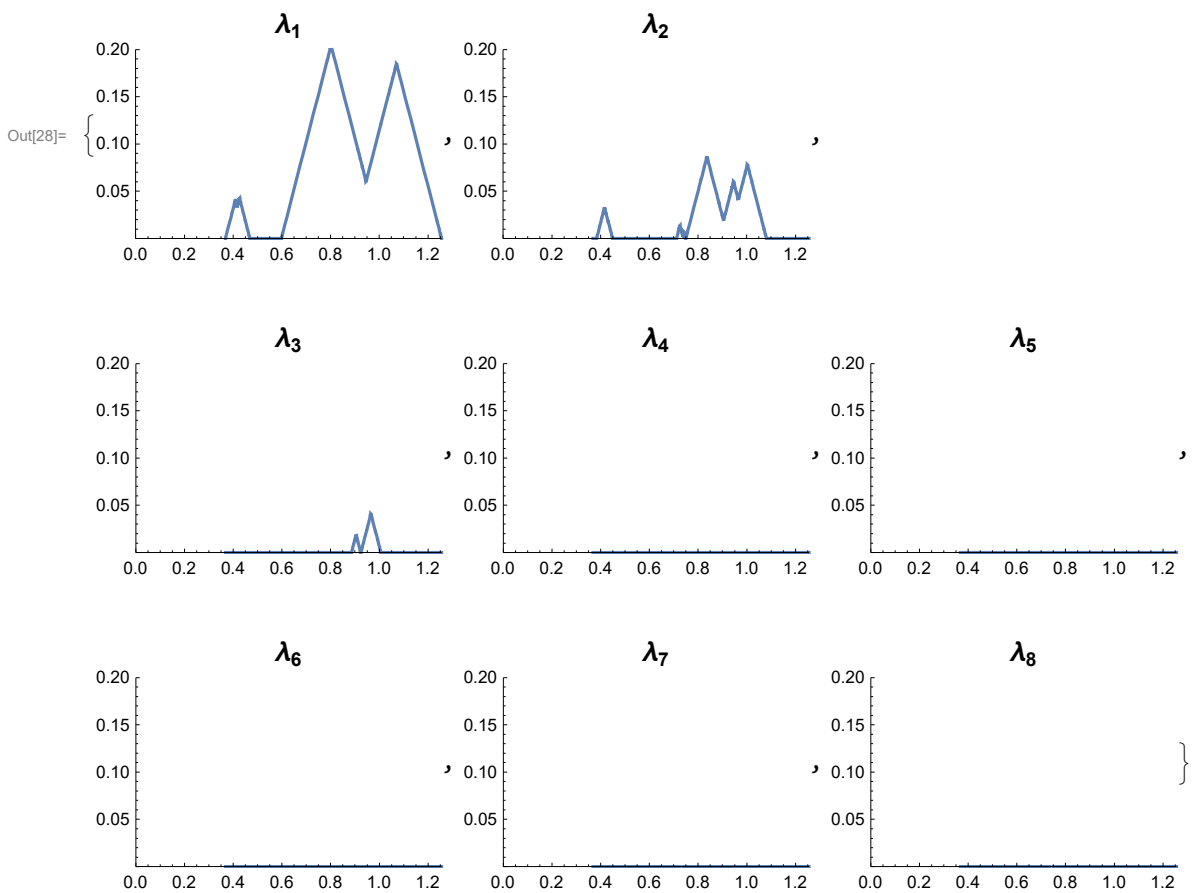


```
In[14]:=  $\Delta[t_, b_, d_] := \text{Max}[\{0, \text{Min}[\{t - b, d - t\}]\}]$ 
 $\lambda[t_, k_, bd_] := \text{Module}[\{l = \{\}, i = 1\},$ 
  For[i = 1, i ≤ Length[bd], i++, AppendTo[l,  $\Delta[t, bd[[i]][[1]], bd[[i]][[2]]$ ]];
  Return[Sort[l, (#1 > #2) &][[k]]]
```

```
In[16]:= bd = {{0.5978, 1.0064}, {0.8857, 1.2557}, {0.7500, 0.9235}, {0.9245, 1.0811},
  {0.3833, 0.4687}, {0.3684, 0.4491}, {0.7118, 0.7398}, {0.7352, 0.7495}}
```

```
Out[16]= {{0.5978, 1.0064}, {0.8857, 1.2557}, {0.75, 0.9235}, {0.9245, 1.0811},
  {0.3833, 0.4687}, {0.3684, 0.4491}, {0.7118, 0.7398}, {0.7352, 0.7495}}
```

```
In[28]:= Table[Plot[ $\lambda[t, i, bd]$ , {t, Min[bd], Max[bd]},
  PlotRange → {{0, Max[bd]}, {0, 0.2}}, ImageSize → Small,
  PlotLabel → Style[StringForm[" $\lambda_{\cdot}$ ", i], FontSize → 14, FontWeight → Bold]], {i,
  1, Length[bd]}]
```



```
In[18]:= functions = Table[ $\lambda[k, i, bd]$ , {i, 1, Length[bd]}];
legends = Table[StringForm[" $\lambda_{\cdot}$ ", i], {i, 1, Length[bd]}];
```

```

In[24]:= r = Plot[{λ[k, 1, bd], λ[k, 2, bd], λ[k, 3, bd],
  λ[k, 4, bd], λ[k, 5, bd], λ[k, 6, bd], λ[k, 7, bd], λ[k, 8, bd]},
  {k, Min[bd], Max[bd]}, PlotRange → {{0, Max[bd]}, {0, 0.45}},
  ImageSize → Large, PlotLabel → "Landscape", PlotLegends → legends,
  PlotStyle → Table[ColorData["BrightBands"][k], {k, 0, 1, 1 / Length[bd]}]]

```

