

```
f = BezierFunction[{{0, 0, 0, 0}, {1, 1, 1, 1}, {2, 2, 2, 2}}]
BezierFunction[{{0., 1.}}, <>]
```

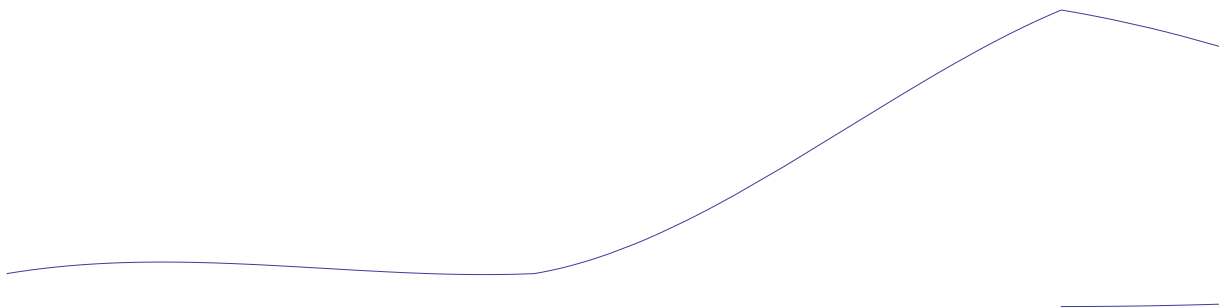
```
f[0.3]
{0.6, 0.6, 0.6, 0.6}
```

```
 $\gamma$  = Interpolation[{
  {0, {0, 0, 0, 0.1}}, {{1, 0, 0, 0}}},
  {0.8, {0.8, 0, 0, 0.1}},
  {1, {1, 0, 0, 0.2}},
  {2, {2, 0.5, 0, 0.1}},
  {3, {3, 0, 0, 0.1}},
  {4, {1, 0, 0, 0.1}},
  {5, {2, 0.5, 0, 0.1}},
  {6, {3, 0, 0, 0.1}},
  {6.2, {3.2, 0, 0, 0.1}},
  {7, {4, 0, 0, 0.1}}
}]
```

Interpolation::inder: The order-1 derivative of {0,0,0,0.1} is not a tensor of rank 1 with dimensions 1. >>

```
Interpolation[
  {{1, {0, 0, 0, 0.1}}, {{1, 0, 0, 0}}}, {0.8, {0.8, 0, 0, 0.1}}, {1, {1, 0, 0, 0.2}},
  {2, {2, 0.5, 0, 0.1}}, {3, {3, 0, 0, 0.1}}, {4, {1, 0, 0, 0.1}}, {5, {2, 0.5, 0, 0.1}},
  {6, {3, 0, 0, 0.1}}, {6.2, {3.2, 0, 0, 0.1}}, {7, {4, 0, 0, 0.1}}}]
```

```
ParametricPlot[Take[ $\gamma$ [t], 2], {t, 0, 3.5}, PlotPoints -> 20, Axes -> False]
```



```
 $\gamma$ c = {
  0 -> {0, 0, 0, 0.1`},
  0.8` -> {0.8`, 0, 0, 0.1`},
  1 -> {1, 0, 0, 0.2`},
  2 -> {2, 0.5`, 0, 0.1`},
  3 -> {3, 0, 0, 0.1`},
  4 -> {1, 0, 0, 0.1`},
  5 -> {2, 0.5`, 0, 0.1`},
  6 -> {3, 0, 0, 0.1`},
  6.2` -> {3.2`, 0, 0, 0.1`},
  7 -> {4, 0, 0, 0.1`}
};
 $\gamma_i$  := Interpolation[{{#[[1]], #[[2, i]]} & /@  $\gamma$ c];
```

$\gamma_1$ 

```
InterpolatingFunction[{{0., 7.}}, <>]
```

```
ParametricPlot[ $\{\gamma_1[t], \gamma_2[t]\}$ , {t, 0, 7}]
```

