

In[344]:=

$R = \{1 - 3x^2 + 2x^3, x - 2x^2 + x^3, 3x^2 - 2x^3, -x^2 + x^3\}$

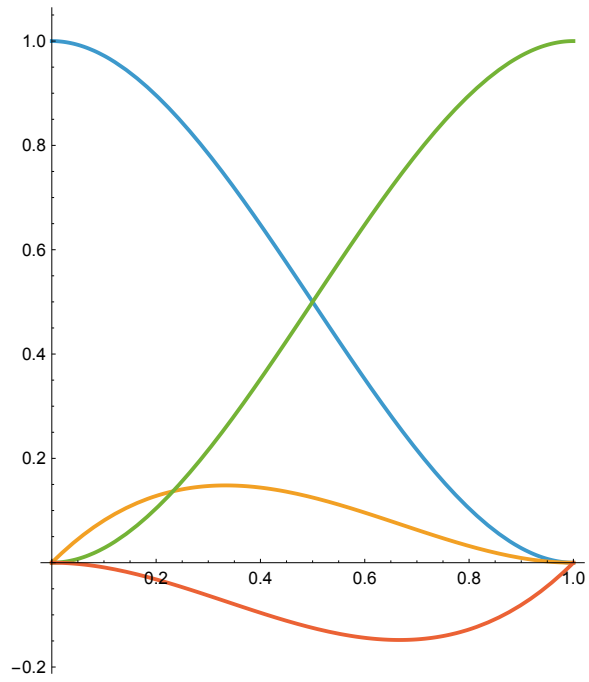
Out[344]=

$\{1 - 3x^2 + 2x^3, x - 2x^2 + x^3, 3x^2 - 2x^3, -x^2 + x^3\}$

In[345]:=

`Plot[R, {x, 0, 1}, AspectRatio -> Automatic]`

Out[345]=





In[352]:=

```

n = 100
xs = N[Table[i/n, {i, 0, n}], 50];
sBody = Table[c /. {x → x1 * xs[[i]]}, {i, 1, Length[xs]}];
gBody = Table[g /. {x → xs[[i]]}, {i, 1, Length[xs]}];

```

Out[352]=

100

In[356]:=

```

h2 = Hasdorf = Max[
  Max[Table[Min[Table[Norm[sBody[[i]] - gBody[[j]], {j, 1, n + 1}]], {i, 1, n + 1}]],
  Max[Table[Min[Table[Norm[sBody[[j]] - gBody[[i]], {j, 1, n + 1}]], {i, 1, n + 1}]]]

```

Out[356]=

$$1.017274691096825866580271860885664238 \times 10^{-13}$$

In[357]:=

In[358]:=

```

h1 = 1.627745517796905694489148930*^-12

```

Out[358]=

$$1.62774551779690569448914893 \times 10^{-12}$$

In[359]:=

```

h1 / h2

```

Out[359]=

16.00104211815070328493419547