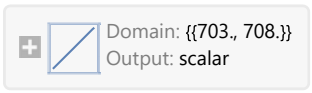
Линейная интерполяция величин, участвующих в расчетах

Точка 2 цикла

CO2:

In[28]:=
```
u2CO2Interpolation =
 Interpolation[{{703.15, 487.0}, {708.15, 491.7}}, InterpolationOrder → 1]
```

Out[28]=

InterpolatingFunction []

In[32]:=
```
u2CO2 = Quantity[u2CO2Interpolation[706.253], "Kilojoules" / "Kilograms"]
```

Out[32]=

489.917 kJ/kg

In[33]:=
```
h2CO2Interpolation =
 Interpolation[{{703.15, 619.8}, {708.15, 625.4}}, InterpolationOrder → 1]
```

Out[33]=

InterpolatingFunction []

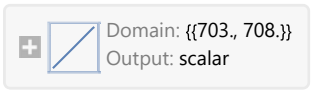
In[34]:=
```
h2CO2 = Quantity[h2CO2Interpolation[706.253], "Kilojoules" / "Kilograms"]
```

Out[34]=

623.275 kJ/kg

In[40]:=
```
s02CO2Interpolation =
 Interpolation[{{703.15, 5.703}, {708.15, 5.711}}, InterpolationOrder → 1]
```

Out[40]=

InterpolatingFunction []

In[41]:=
```
s02CO2 = Quantity[s02CO2Interpolation[706.253], "Kilojoules" / ("Kilograms" * "Kelvins")]
```

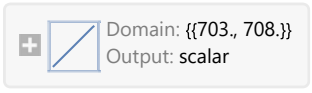
Out[41]=

5.70796 kJ/(kg K)

Ar:

In[44]:=
```
u2ArInterpolation =
 Interpolation[{{703.15, 219.5}, {708.15, 221.1}}, InterpolationOrder → 1]
```

Out[44]=

InterpolatingFunction []

In[46]:=
```
u2Ar = Quantity[u2ArInterpolation[706.253`], "Kilojoules"/"Kilograms"]
```

Out[46]=
```
220.493 kJ/kg
```

In[49]:=
```
h2ArInterpolation =
 Interpolation[{{703.15, 365.9}, {708.15, 368.5}}, InterpolationOrder → 1]
```

Out[49]=
```
InterpolatingFunction[ Domain: {{703., 708.}}
                       Output: scalar ]
```

In[50]:=
```
h2Ar = Quantity[hT2ArInterpolation[706.253`], "Kilojoules"/"Kilograms"]
```

Out[50]=
```
367.514 kJ/kg
```

In[51]:=
```
s02ArInterpolation =
 Interpolation[{{703.15, 4.323}, {708.15, 4.326}}, InterpolationOrder → 1]
```

Out[51]=
```
InterpolatingFunction[ Domain: {{703., 708.}}
                       Output: scalar ]
```

In[52]:=
```
s02Ar = Quantity[s02ArInterpolation[706.253], "Kilojoules"/("Kilograms" * "Kelvins")]
```

Out[52]=
```
4.32486 kJ/(kg K)
```

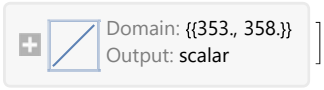
Точка 5 цикла CO2:

In[175]:=
```
u5CO2Interpolation =
 Interpolation[{{353.15, 194.0}, {358.15, 197.6}}, InterpolationOrder → 1]
```

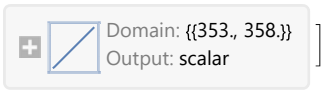
Out[175]=
```
InterpolatingFunction[ Domain: {{353., 358.}}
                       Output: scalar ]
```

In[177]:=
```
u5CO2 = Quantity[u5CO2Interpolation[355.783], "Kilojoules"/"Kilograms"]
```

Out[177]=
```
195.896 kJ/kg
```

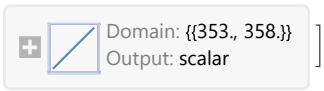
In[178]:=
```
h5CO2Interpolation =
 Interpolation[{{353.15, 260.7}, {358.15, 265.2}}, InterpolationOrder → 1]
```
Out[178]=
```
InterpolatingFunction[ 

]
```

In[179]:=
```
h5CO2 = Quantity[h5CO2Interpolation[355.783], "Kilojoules" / "Kilograms"]
```
Out[179]=
```
263.07 kJ/kg
```

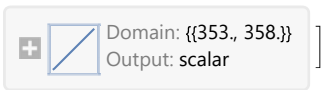
In[180]:=
```
s05CO2Interpolation =
 Interpolation[{{353.15, 5.005}, {358.15, 5.018}}, InterpolationOrder → 1]
```
Out[180]=
```
InterpolatingFunction[ 

]
```

In[181]:=
```
s05CO2 = Quantity[s05CO2Interpolation[355.783], "Kilojoules" / ("Kilograms" * "Kelvins")]
```
Out[181]=
```
5.01185 kJ/(kg K)
```

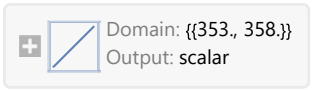
Ar:

In[182]:=
```
u5ArInterpolation =
 Interpolation[{{353.15, 110.2}, {358.15, 111.8}}, InterpolationOrder → 1]
```
Out[182]=
```
InterpolatingFunction[ 

]
```

In[183]:=
```
u5Ar = Quantity[u5ArInterpolation[355.783], "Kilojoules" / "Kilograms"]
```
Out[183]=
```
111.043 kJ/kg
```

In[184]:=
```
h5ArInterpolation =
 Interpolation[{{353.15, 183.7}, {358.15, 186.3}}, InterpolationOrder → 1]
```
Out[184]=
```
InterpolatingFunction[ 

]
```

In[186]:=
```
h5Ar = Quantity[h5ArInterpolation[355.783], "Kilojoules"/"Kilograms"]
```
Out[186]=
185.069 kJ/kg

In[187]:=
```
s05ArInterpolation =
 Interpolation[{{353.15, 3.964}, {358.15, 3.971}}, InterpolationOrder → 1]
```
Out[187]=
InterpolatingFunction[]

In[188]:=
```
s05Ar = Quantity[s05ArInterpolation[355.783], "Kilojoules"/("Kilograms" * "Kelvins")]
```
Out[188]=
3.96769 kJ/(kg K)