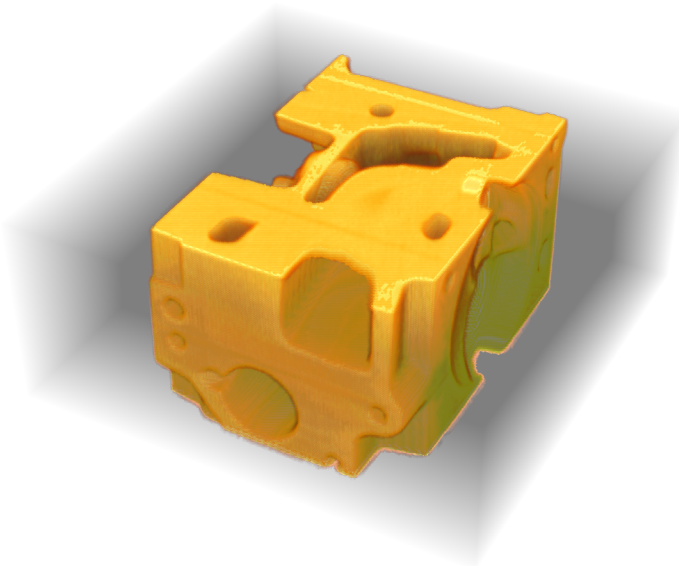


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Attribution-NonCommercial-ShareAlike *)

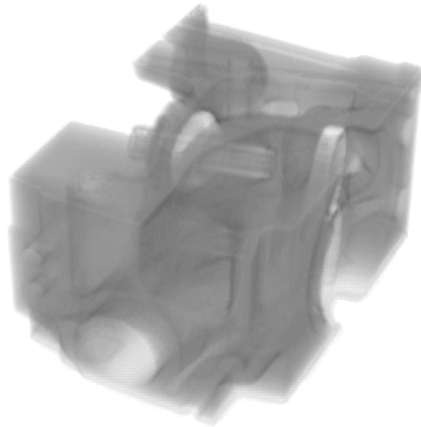
```
In[69]:= volume = engine = ExampleData[{"TestImage3D", "CTengine"}]
```

Out[69]=



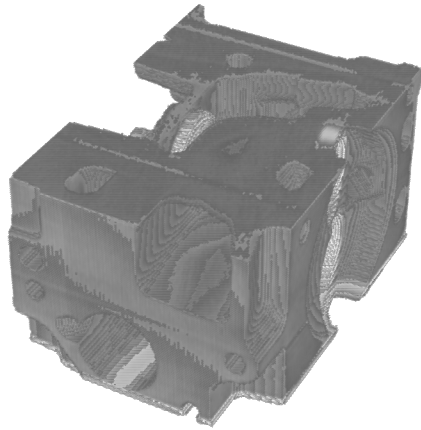
```
In[58]:= Labeled[Image3D[engine, ColorFunction -> #, ImageSize -> Medium], #] & /@  
{"XRay", "HighRange", "LowRange", "WhiteBlackOpacity",  
"SunsetColorsOpacity", "RainbowOpacity"}
```

Out[58]= {

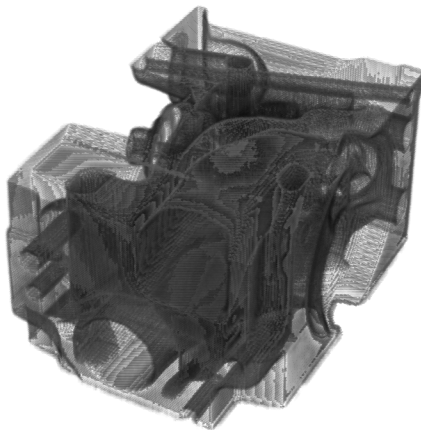


,

XRay



HighRange



LowRange



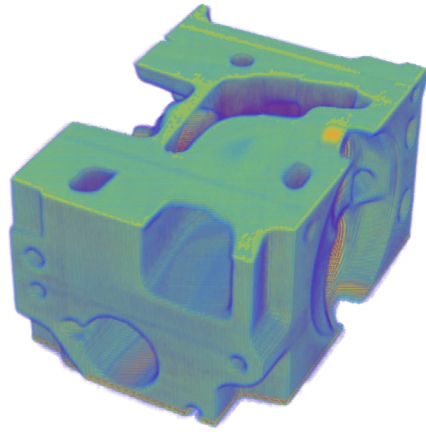
,

WhiteBlackOpacity



,

SunsetColorsOpacity

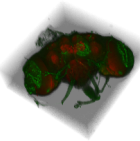


}

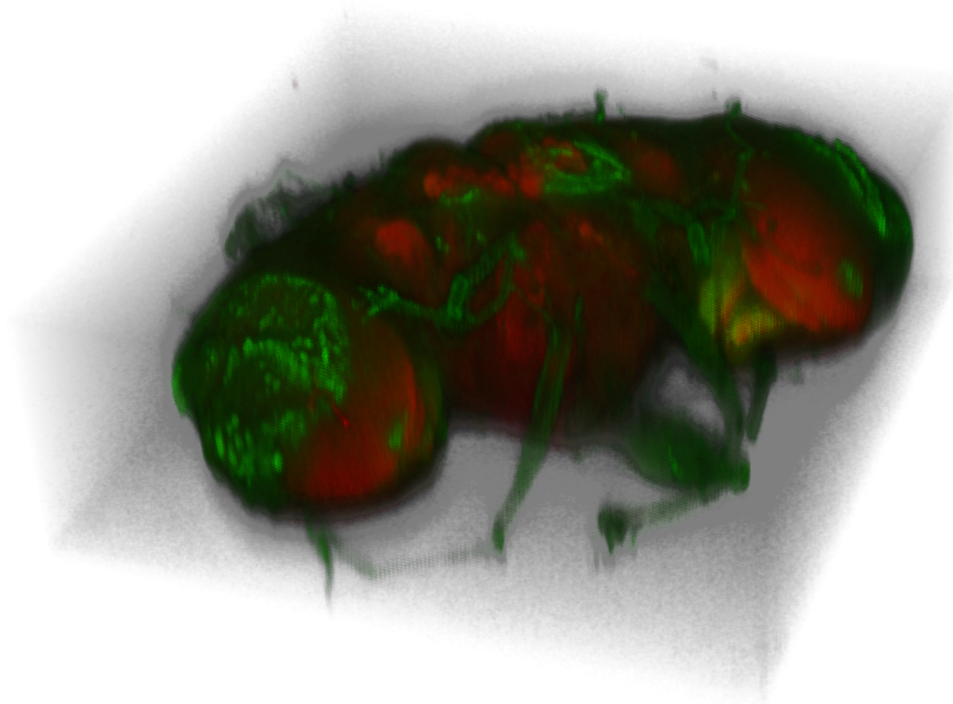
RainbowOpacity

Gene expressions on different parts of a fly's body:

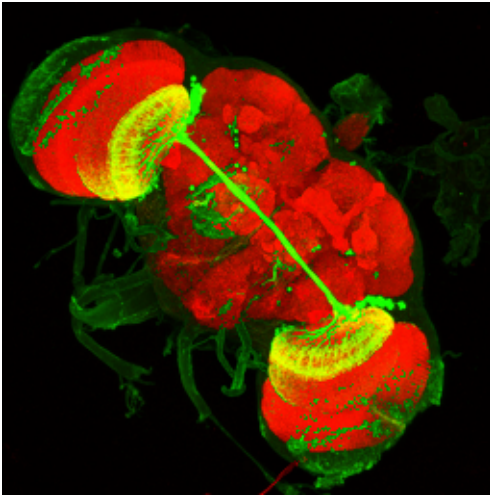
In[51]:= **bug =**



Out[51]=



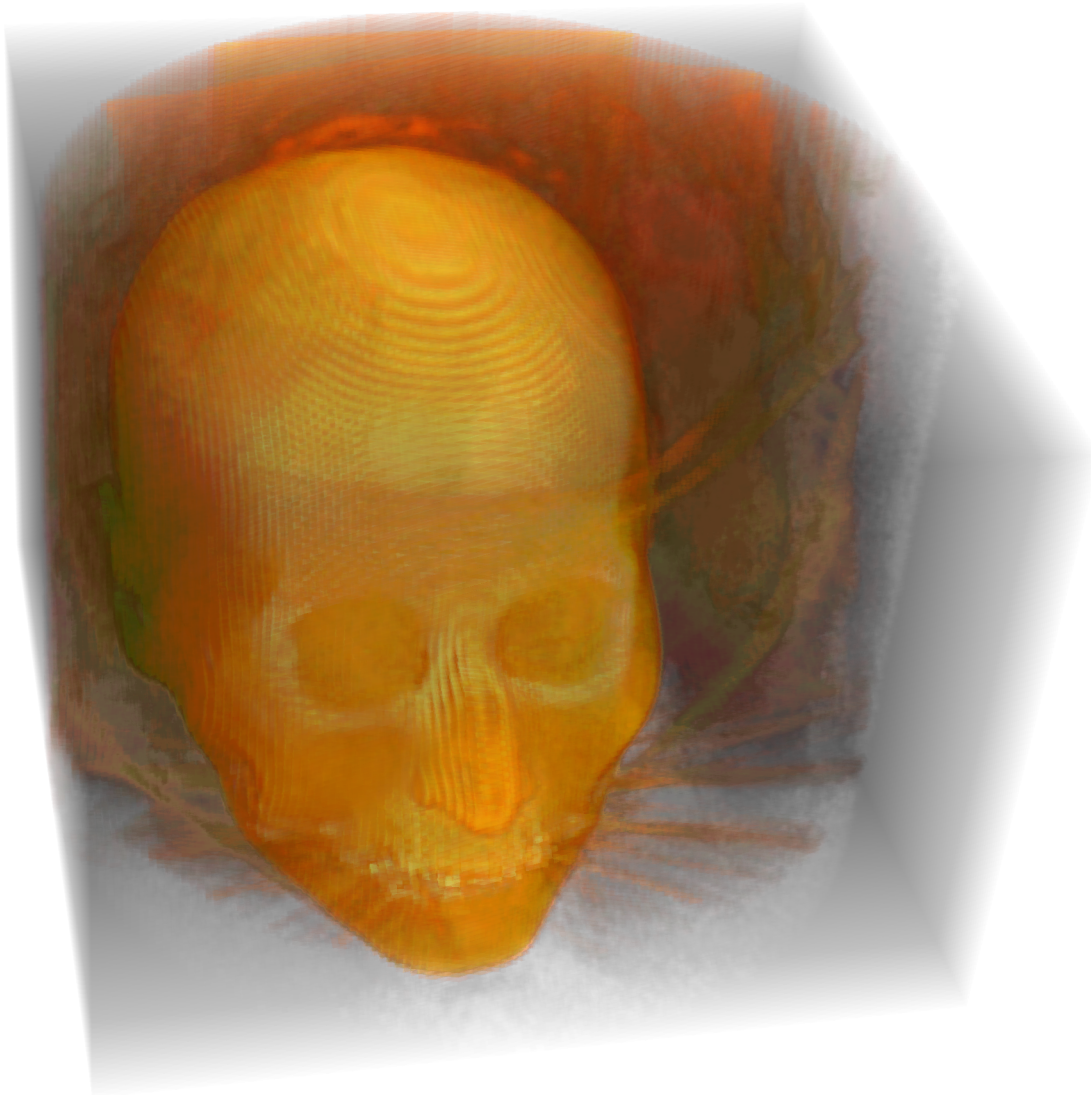
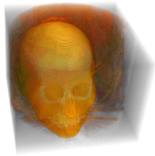
```
In[52]:= Image3DProjection[bug]
```



```
Out[52]=
```

Projections

In[53]:= head =



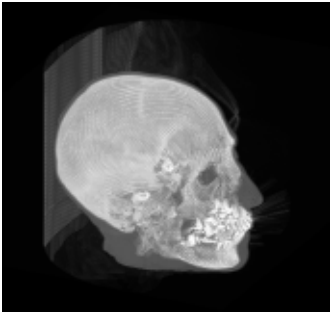
Out[53]=

In[54]:= Image3DProjection[head, "YZ"]



Out[54]=

In[55]:= `Image3DProjection[head, {2, 1, -1}]`



Slicers

In[70]:= `With[{i = , size = 100},`

`Manipulate[`

```
Grid[{{# & /@ {Show[Image3DSlices[i, {s}, 1][[1]], Graphics[{Red, Line[{{c, 0}, {c, size}]}], Line[{{0, size - r + 1}, {size, size - r + 1}]}]}],
      Show[Image3DSlices[i, {r}, 2][[1]], Graphics[{Red, Line[{{c, 0}, {c, size}]}], Line[{{0, size - s + 1}, {size, size - s + 1}]}]}],
      Show[Image3DSlices[i, {c}, 3][[1]], Graphics[{Red, Line[{{r, 0}, {r, size}]}], Line[{{0, size - s + 1}, {size, size - s + 1}]}]}]}],
  {s, 1, size, 1}, {r, 1, size, 1}, {c, 1, size, 1}]
```

