chem-bla-ics

Bob improved the POV-Ray export of Jmol

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Keywords

Jmol

Abstract

Bob has set up a new interface between the data model and the Jmol renderer, which allows him to define other types of export too. One of this is a POV-Ray export, which allows creating of high quality images for paper. Jmol has had POV-Ray export for a long time now, but never included the secondary structures or other more recent visual featues.

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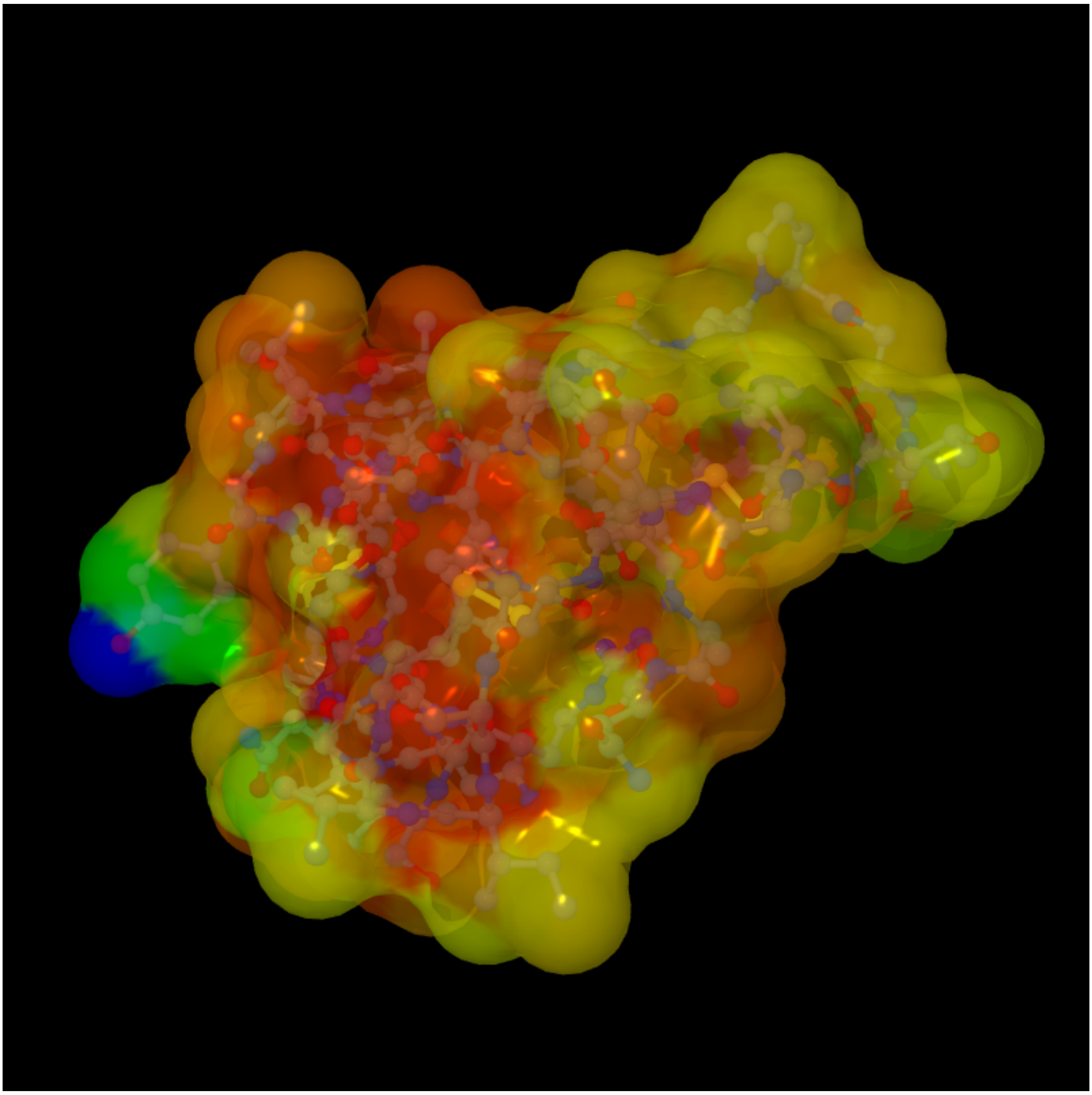
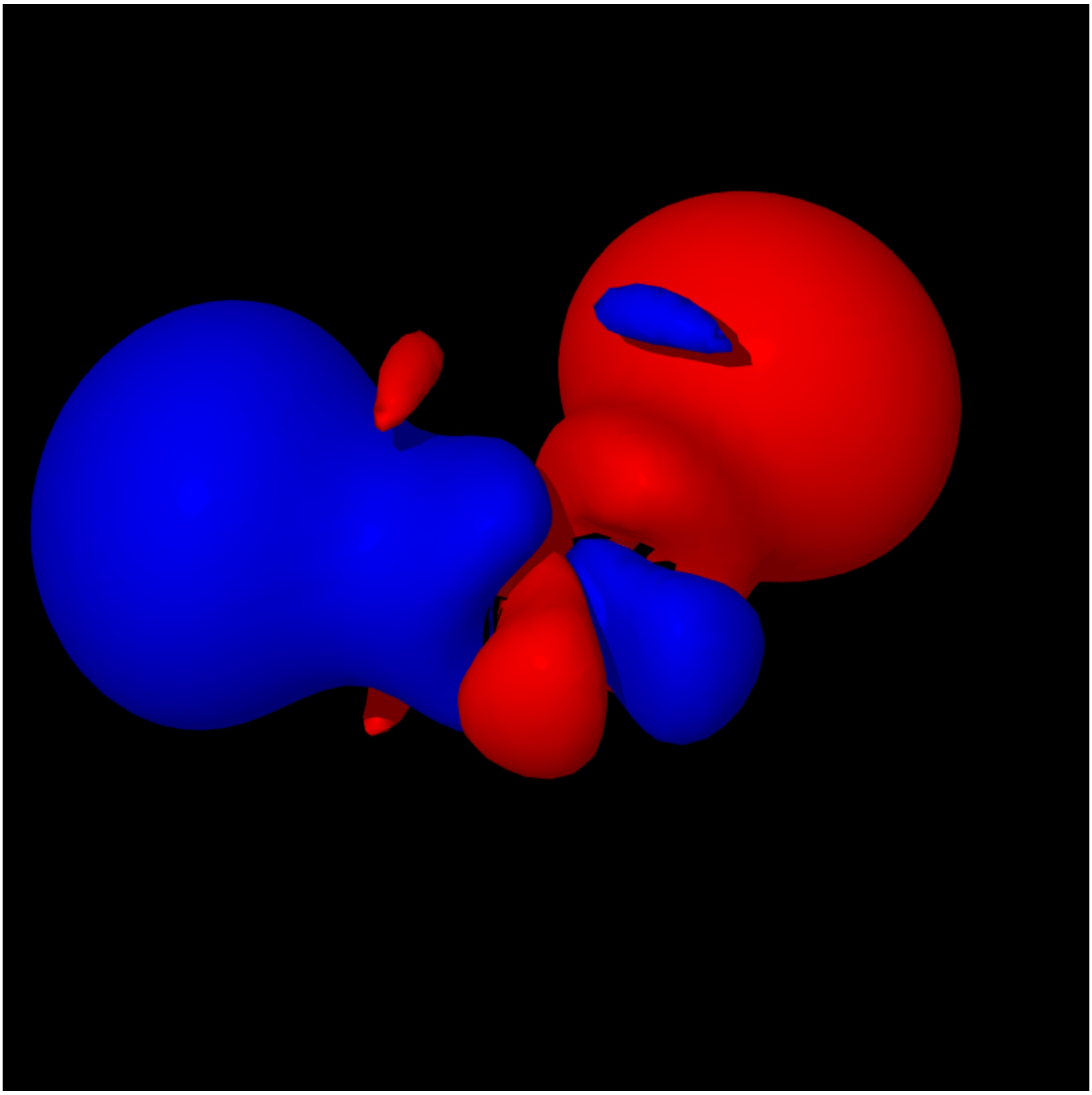
Bob has set up a new interface between the data model and the Jmol renderer, which allows him to define other types of export too. One of this is a POV-Ray export, which allows creating of high quality images for paper. Jmol has had POV-Ray export for a long time now, but never included the secondary structures or other more recent visual featues. PyMOL is well-known for its POV-Ray feature, and often used to create publication quality protein prints. The script command to create a POV-Ray input file takes the output image size as parameters:

```
write povray 400 600   # width 400, height 600
```

Here’s a screenshot of a protein with surface:



And here a MO of water:



Note the shading. More examples are available here.