


```
Out [19]: <CLBConfig version="2.0" output="output/">
<!-- Created using CLBConfigWriter-->
<Geometry predef="none" model="MRT" nx="640.0000000000000000" ny="480.0000000000000000"/>
<Model>
<Param name="Diffusivity_PHI" value="0.1666666666666666"/>
<Param name="Init_PHI" value="-0.5000000000000000"/>
</Model>
<RunR>
library('jpeg', lib="r_packages")

myurl &lt;!-- "https://upload.wikimedia.org/wikipedia/commons/thumb/a/a5/M-18A_Dromader_CALM.jpg/
640px-M-18A_Dromader_CALM.jpg"
2 &lt;!-- Tempfile)
download.file(myurl,z,mode="wb", quiet=TRUE);
pic &lt;!-- readJPEG(z);
file.remove(z) # cleanup

SolversFields$Init_PHI_External[] = t(pic[,1]);
SolversActions$InitFromExternalAction();
</RunR>
<HDF5>
<Solve iterations="200">
<HDF5 iterations="10"/>
</Solve>
</CLBConfig>
```

In [20]:

```
! tc1b d2q9_reaction_diffusion_system_SimpleDiffusion SimpleDiffusionOfDromader_withIterations.xml > /dev/null

Hello allocator!
DONE
```

In [21]:

```
for i in $(seq 0 200 50);
do
  plot.figure()
  f = h5py.File('./output/SimpleDiffusionOfDromader_withIterations_HDF5_%.08d.h5'%i)
  plt.imshow(f['PHI'][:i,:])
done
```

