

```
#
# HTACCESS file for remapping old simulations to new
#
#
# This has been refactored to use the rewrite engine, which is more
# powerful and gives the flexibility needed to handle the various
# redirects needed during the IDM transition period, as well as pre
# and post.
#
# The engine is extremely powerful at the cost of being
# extremely complex. Be very careful when making edits in here. A
# badly formed command can stop everything from working at best, and
# hork things in a not-so-immediately-obvious fashion. It is
# recommended to add new items to the bottom, and only if you must.
#
# Many of the file checks should be removed after all the sims have
# been redeployed for IDM and deemed "safe" (will not be reverted).
#
```

```
# Put in a quarter and...
```

```
RewriteEngine on
```

```
###
# BEGIN pack200-gzip config
###
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```
AddType application/x-java-archive .jar
AddType application/x-java-jnlp-file .jnlp
```

```
<Files *.jar.pack.gz>
  AddEncoding pack200-gzip .jar
  RemoveEncoding .gz
</Files>
```

```
RewriteCond %{HTTP:Accept-Encoding} pack200-gzip
RewriteCond %{REQUEST_FILENAME}.pack.gz -f
RewriteRule ^(\. *\. jar)$ $1.pack.gz [NC,L]
```

```
RewriteCond %{HTTP:Accept-Encoding} gzip
RewriteCond %{REQUEST_FILENAME}.gz -f
RewriteRule ^(\. *\. jar)$ $1.gz [NC,L]
```

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RewriteRule \. *\. jar)$ $1.gz [NC,L]

###
# END
###

# Base directory that the rules direct to

# This should be relative to the DOCUMENT_ROOT, which means /sims on
# tigercat. On your dev machine it will probably be something
# different. If you change this, DO NOT check it back in!
RewriteBase /sims

# If the request is a file or directory and it exists, we're done
# These add overhead but are important for a seamless pre->post IOM release
# Remove these after ALL sims have been re-released
RewriteCond %{REQUEST_FILENAME} -f
RewriteRule .* %{REQUEST_FILENAME} [L]
RewriteCond %{REQUEST_FILENAME} -d
RewriteRule .* %{REQUEST_FILENAME} [L]

# Convert all requests for old project names, check the new file exists
# ex: balloons.jar -> balloons_all.jar
RewriteCond %{DOCUMENT_ROOT}/sims/$1_all.jar -f
RewriteRule ^([-a-z0-9/]+)\.jar$ $1_all.jar [L,R=permanent]

#ex: balloons.jnlp -> balloons_en.jnlp
RewriteCond %{DOCUMENT_ROOT}/sims/$1_en.jnlp -f
RewriteRule ^([-a-z0-9/]+)\.jnlp$ $1_en.jnlp [L,R=permanent]

# Convert requests for old simulation names to English versions, check the new file exists
RewriteCond %{DOCUMENT_ROOT}/sims/$1_en.jar -f
RewriteRule ^([-a-z0-9/]+)\.jar$ $1_en.jar [L,R=permanent]

# ohm-1d changed to batter-resistor-circuit
RewriteCond %{DOCUMENT_ROOT}/sims/battery-resistor-circuit/battery-resistor-circuit$1 -f
RewriteRule ^ohm-1d/ohm-1d(. *)$ battery-resistor-circuit/battery-resistor-circuit$1
[L,R=permanent]
RewriteCond %{DOCUMENT_ROOT}/sims/battery-resistor-circuit/battery-resistor-
circuit_all.jar -f
RewriteRule ^ohm-1d/ohm-1d.jar$ battery-resistor-circuit/battery-resistor-circuit_all.jar

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[[L, R=permanent]
RewriteCond %(DOCUMENT_ROOT)/sims/battery-resistor-circuit/battery-resistor-
circuit_en.jnlp -f
RewriteRule ^ohm-1d/ohm-1d.jnlp$ battery-resistor-circuit/battery-resistor-circuit_en.jnlp
[[L, R=permanent]
RewriteCond %(DOCUMENT_ROOT)/sims/battery-resistor-circuit/ -d
RewriteRule ^ohm-1d/?$ battery-resistor-circuit/ [[L, R=permanent]

# fluorescent-lights changed to discharge-lamps
RewriteRule ^fluorescent-lights/fluorescent-lights.jar$ discharge-lamps/discharge-
lamps.jar [[L, R=permanent]
RewriteRule ^fluorescent-lights/fluorescent-lights.jnlp$ discharge-lamps/discharge-
lamps.jnlp [[L, R=permanent]
RewriteRule ^fluorescent-lights/fluorescent-lights_all.jar$ discharge-lamps/discharge-
lamps.jar [[L, R=permanent]
RewriteRule ^fluorescent-lights/fluorescent-lights_es.jnlp$ discharge-lamps/discharge-
lamps_es.jnlp [[L, R=permanent]
RewriteRule ^fluorescent-lights/fluorescent-lights_pt.jnlp$ discharge-lamps/discharge-
lamps_pt.jnlp [[L, R=permanent]
RewriteRule ^fluorescent-lights(.*)$ discharge-lamps$1 [[L, R=permanent]

# qwi changed to quantum-wave-interference
RewriteRule ^qwi/qwi-dg.jar$ quantum-wave-interference/davissou-germer.jar [[L, R=permanent]
RewriteRule ^qwi/qwi-dg.jnlp$ quantum-wave-interference/davissou-germer.jnlp
[[L, R=permanent]
RewriteRule ^qwi/qwi-dg_el.jnlp$ quantum-wave-interference/davissou-germer_el.jnlp
[[L, R=permanent]
RewriteRule ^qwi/qwi-dg_pt.jnlp$ quantum-wave-interference/davissou-germer_pt.jnlp
[[L, R=permanent]
RewriteRule ^qwi/qwi.jar$ quantum-wave-interference/quantum-wave-interference.jar
[[L, R=permanent]
RewriteRule ^qwi/qwi.jnlp$ quantum-wave-interference/quantum-wave-interference.jnlp
[[L, R=permanent]
RewriteRule ^qwi/qwi_all.jar$ quantum-wave-interference/quantum-wave-interference.jar
[[L, R=permanent]
RewriteRule ^qwi/qwi_el.jnlp$ quantum-wave-interference/quantum-wave-interference_el.jnlp
[[L, R=permanent]
RewriteRule ^qwi/qwi_pt.jnlp$ quantum-wave-interference/quantum-wave-interference_pt.jnlp
[[L, R=permanent]
RewriteRule ^qwi(.*)$ quantum-wave-interference$1 [[L, R=permanent]

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waveinterference changed to wave-interference

RewriteRule ^waveinterference/waveinterference.jar\$ wave-interference/wave-interference.jar [L,R=permanent]

RewriteRule ^waveinterference/waveinterference.jnlp\$ wave-interference/wave-interference.jnlp [L,R=permanent]

RewriteRule ^waveinterference/waveinterference_all.jar\$ wave-interference/wave-interference.jar [L,R=permanent]

RewriteRule ^waveinterference/waveinterference_es.jnlp\$ wave-interference/wave-interference_es.jnlp [L,R=permanent]

RewriteRule ^waveinterference/waveinterference_pt.jnlp\$ wave-interference/wave-interference_pt.jnlp [L,R=permanent]

RewriteRule ^waveinterference/waveinterference_sr.jnlp\$ wave-interference/wave-interference_sr.jnlp [L,R=permanent]

RewriteRule ^waveinterference/waveinterference_sv.jnlp\$ wave-interference/wave-interference_sv.jnlp [L,R=permanent]

RewriteRule ^waveinterference(.*)\$ wave-interference\$1 [L,R=permanent]

cck changed to circuit-construction-kit

RewriteRule ^cck/cck.jar\$ circuit-construction-kit/circuit-construction-kit.jar [L,R=permanent]

RewriteRule ^cck/cck_all.jar\$ circuit-construction-kit/circuit-construction-kit.jar [L,R=permanent]

RewriteRule ^cck/cck(.*)\$ circuit-construction-kit/circuit-construction-kit\$1 [L,R=permanent]

RewriteRule ^cck(.*)\$ circuit-construction-kit\$1 [L,R=permanent]

Redirects for Nuclear Physics, which was split into Nuclear Fission and Alpha Decay in September 2008.

Adaped and enhanced from their original versions, they were causing problems with the new project names

RewriteRule ^nuclear-physics/nuclear-physics.jnlp\$ nuclear-physics/nuclear-fission.jnlp [L,R=permanent]

RewriteRule ^nuclear-physics/nuclear-physics_(.+)\.(.*)\$ nuclear-physics/nuclear-fission_\$1.\$2 [L,R=permanent]

Misc really really old sims that still get requests, take them to the sim page rather than the sim

RewriteRule ^black-body-radiation/black-body-radiation.swf\$

http://phet.colorado.edu/simulations/sims.php?sim=Blackbody_Spectrum [L,R=permanent]

RewriteRule ^lens/lens.swf\$ http://phet.colorado.edu/simulations/sims.php?sim=Geometric_Optics [L,R=permanent]

`RewriteRule ^veqir/veqir.swf$ http://phet.colorado.edu/simulations/sims.php?sim=Ohms_Law [L,R=permanent]`

`RewriteRule ^curve-fit/curve-fit.swf$ http://phet.colorado.edu/simulations/sims.php?sim=Curve_Fitting [L,R=permanent]`

`RewriteRule ^faraday-mx/faraday-mx.swf$ http://phet.colorado.edu/simulations/sims.php?sim=Faradays_Law [L,R=permanent]`

`RewriteRule ^stern-gerlacher/stern-gerlach.swf$ http://phet.colorado.edu/simulations/sims.php?sim=Stern_Gerlach [L,R=permanent]`

`RewriteRule ^string-wave/string-wave.swf$ http://phet.colorado.edu/simulations/sims.php?sim=Wave_on_a_String [L,R=permanent]`

`RewriteRule ^vector-math/vector-math.swf$ http://phet.colorado.edu/simulations/sims.php?sim=Vector_Addition [L,R=permanent]`