Uploading and Publishing New Tools

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Why not just downloads?

1 Source code bundles

Hello,
I am grad student from Kazakhstan. Your tool not compile for me. I get errors. That’s a not very nice.

Hey, can you help me?

2 Pre-compiled binaries

It doesn’t work on my machine!

32-bit
64-bit

New version... Reinstall
Access tools online

Table 1: Overview

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions:</td>
<td>21</td>
</tr>
<tr>
<td>Total Simulation Users Served:</td>
<td>11,061</td>
</tr>
<tr>
<td>Rank by Contributions:</td>
<td>24,806</td>
</tr>
<tr>
<td>First Contribution:</td>
<td>14 Sep 2004</td>
</tr>
<tr>
<td>Last Contribution:</td>
<td>12 Jul 2010</td>
</tr>
<tr>
<td>Citations on Contributions:</td>
<td>62</td>
</tr>
</tbody>
</table>

Dr. Arturo Ayon is the Architect of General Design Systems, whom he developed the Simulation Visualization and Modeling environment for BETS. He is currently a
Start the upload process

Tool registration form

alpha123
Nice Tool Name
1.2.3a
It does this...

Who can run it
Who can access code
Who can access wiki
Team members
**Tool development process**

Contribution form

- User
  - Registered
  - Created
  - Uploaded
  - Installed
  - Updated
  - Approved
  - Published

Hub managers create a project area for your tool

- Wiki for project documentation
- Subversion source code control
- Code change history

Hub managers waiting for...

Your project area

Buttons to access project functions:

- Wiki documentation
- Source code
- Timeline of changes

**NOTE:** You may have to log in to see some buttons
Once logged in, you can edit wiki pages. Complete instructions in your project area at wiki/WikiFormatting.

Wiki Markup

Welcome to the CNTbands development area. This wiki has the following sections:

- Getting Started - learn how to download the tool
- [ticket System] - use trouble shooting and support

**What is CNTbands?**

CNTbands is a Matlab script that computes \( E(k) \) for carbon nanotubes. It uses a simple model that treats the tight binding approach and assumes a single \( p_z \) orbital to compute some basic parameters of the nanotube.

[https://www.nanohub.org/simulation_tools/cntbands/]

**Overview**

The tool "CNTbands" has many features:

- Simulate nano-ribbons
- Simulate nanotubes
  - with simple "Pz-orbital model"
  - with "Extended Hückel Theory"

Visit this tool on [http://www.nanohub.org/nanohub]

To build this tool:

```bash
$ cd /apps/cntbands-ext/current/src
$ make all
$ make install
```
Linking wiki pages

CNTbands v2.0
Overview
- Simulate nano-ribbons
- Simulate nanotubes
  - with simple "Pz-orbital model"
  - with "Extended Hückel Theory"
- View simple band structure
- View band structure with Extended Hückel Theory

See [NewPage](http://www.nanohub.org) for more information.

Visit this tool on [http://www.nanohub.org](http://www.nanohub.org).
To build this tool:

Any word with mixed case is treated as a link.

Click on any link? to create that page:

See [NewPage](http://www.nanohub.org) for more information.

What's happening?

My Contributions

Tools

- [biosensorlab](http://www.nanohub.org)

Status: created

Other Contributions in Progress

No contributions found.

Start a new contribution →
Know where you stand

We are waiting for You

Once your source code has been uploaded into your project area, click here to let us know:

- My code has been uploaded

Remaining steps before we can publish your tool:

- Register your tool on the nanoHUB.org
- Upload your source code I've done this
- Make the page that describes your tool. Create this page...
- Test and approve your tool
- Publish your tool so that others can see it on the nanoHUB.org

Edit your tool information page

This is the page that people see when they find your tool on the hub
Know where you stand

Edit your tool settings

Source Code Access: **REQUIRED**
- Restricted to development team
- Open source (anyone can access code)
  - Restricted to development team

Development team: **REQUIRED**
mmlc11nan, mmh
Putting out Open Source

```c
/* *
 * AUTHOR: Michael McLennan
 * Copyright (c) 2011 Purdue University
 * See the file 'license.terms' for information on usage and redistribution of this file, and for a DISCLAIMER OF ALL WARRANTIES.
 */
```

www.opensource.org license.terms your code

Uploading your code

Upload your code into a hub workspace. Compile, test, and commit changes back to your Subversion repository.
Uploading your code

Tool status page:
http://yourhub.org/contribtool

We are waiting for You
Once your source code has been uploaded into your project area, click here to let us know:
- My code has been uploaded

Remaining steps before we can publish your tool:
- Register your tool on the nanoHUB.org
- Upload your source code (we do this
- Value the page that describes your tool (Create this page)
- Test and approve your tool
- Publish your tool so that others can use it on the nanoHUB.org

Contribution form
Approved
User

Waiting for...
Hub managers
Registered
Created
Uploaded
Installed
Updated
Published
Retired

Testing your tool

Waiting for...
User
Hub managers
Registered
Uploaded
Updated
Approved
Published
Retired

What's next?
Your latest code is installed and ready to use. Please test your tool by clicking the button below to ensure that everything is working properly, so that the page describing your tool is created with the correct information:
- Test your application
- Review the page describing your tool

We are waiting for You
Once you tested your tool and verified that it is working properly, click here to let us know:
- My tool is working properly (I approve it)
- Need to make changes? Once you’ve checked in your latest fixes, click here to let us know
- I’ve fixed my code. Please install the latest updates

User
Hub managers
Registered
Created
Uploaded
Installed
Updated
Approved
Published
Retired
Testing your tool

What's next?
Your latest code is installed and ready on sendUB.org. Please test your tool by clicking the button below to make sure that everything is working properly, as well as verify that the page describing your tool is created and displays correct information.

- Test your application
- Review the page describing your tool

We are waiting for You
Once you tested your tool and verified that it is working properly, click here to let us know:
- My tool is working properly. I approve it.

Need to make changes? Once you've checked in your latest fixes, click here to let us know.
- I've fixed my code. Please install the latest options

Need help?

What's next?
Your latest code is installed and ready on sendUB.org. Please test your tool by clicking the button below to make sure that everything is working properly, as well as verify that the page describing your tool is created and displays correct information.

- Test your application
- Review the page describing your tool

We are waiting for You
Once you tested your tool and verified that it is working properly, click here to let us know:
- My tool is working properly. I approve it.

Need to make changes? Once you've checked in your latest fixes, click here to let us know.
- I've fixed my code. Please install the latest options

Don't send email!
Use the web interface to communicate

Message goes to the whole team, and is stored in the history

Testing your tool—again

What's next?
Your latest code is installed and ready to go. Please test your tool by clicking the button to verify that everything is working properly, as the page describing your tool is created with correct information.

We are waiting for you
Once you test your tool and verified that it is working properly, click here to let us know:

- My tool is working properly, I approve it.
- Need to make changes? Once you've checked in your latest fixes, click here to let us know.
- I've fixed your code, please install the latest options.
Last step…

Hub managers…
• Take one last look
• Make sure that the tool works
• Check the tool information page
• Then, publish your tool

Your tool is published

If you want to make changes…

Your options:
- Made changes. Please install the latest updates
Updating your tool

Approved

Re-install your tool
You approve it
One last look
Your changes are published

Become a Contributor

Don’t let your code gather dust on the shelf. Get it out there!

Upload your own:
• Tools
• Tutorials