FSc curve in xml format

Mon, 05/27/2019 - 20:42

#1

Jobi

FSc curve in xml format

Dear All,

Is there anyway to write the FSC output in xml format.

Or any other third party software that can convert the text file output from Cistem to xml format.

Thank you.

Jobi

timgrant

I think the following bash

I think the following bash script will do the conversion. You need to edit out everything but the FSC you want, and also remove all the comments from the file, save this as a new file, then give it as the first argument to the script, with the desired output.xml as the output. This will use the partFSC column :-

```
-------------------------------
#!/bin/bash
readarray all_lines < $1
one=1
echo '<fsc title="" xaxis="Resolution (A-1)" yaxis="Correlation
Coefficient">' > $2
echo '  <coordinate>' >> $2
echo '    <x>0.0</x>' >> $2
echo '    <y>1.0</y>' >> $2
echo '  </coordinate>' >> $2
## now loop through the above array
for i in "${all_lines[@]}"
do
  resolution=`echo $i | awk '{print $2}'`
  spatial_freq=`calc -p 1/$resolution | cut -d'~' -f2`
  fsc=`echo $i | awk '{print $5}'`
echo '  <coordinate>' >> $2
echo "    <x>$spatial_freq</x>" >> $2
echo "    <y>$fsc</y>" >> $2
echo "  </coordinate>" >> $2
done
echo '</fsc>' >> $2
```

Jobi

xml format

Dear Tim,

The output is given below. It is not giving a proper output. Can you please check

I am using the following command " script input.txt output.xml"

```xml
<fsc title="" xaxis="Resolution (A-1)" yaxis="Correlation Coefficient">
  <coordinate>
    <x>0.0</x>
    <y>1.0</y>
  </coordinate>
  <coordinate>
    <x>calc -p 1/</x>
    <y></y>
  </coordinate>
</fsc>
```

Wed, 05/29/2019 - 10:17 <u>(Reply to #3)</u>

timgrant

do you have calc installed?

if you just type calc in the terminal does it work?

Jobi

Calc not installed

if you just type calc in the terminal does it work?

It says command not found

Jobi

managed to convert

Managed to convert using e2procxml.py program

timgrant

Ok, for future reference - I

Ok, for future reference - I think the above script should work if you install calc.

Source URL:https://cistem.org/fsc-curve-xml-format