Appion - Feature #70

2d scatter plot of defocus and confidence

01/29/2010 01:54 PM - Ed Brignole

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
<th>Start date: 01/29/2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Low</td>
<td></td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Category:</td>
<td>Image Processing</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td>Appion/Leginon Future Version</td>
<td></td>
</tr>
</tbody>
</table>

**Description**

Currently web page reports a histogram of confidence values. Since parameters input to Ace2 influence confidence outcome it would be helpful to simultaneously see both defocus and confidence so that the user would know which defoci were confidently or not confidently determined. Perhaps this could be displayed as a scatter plot with histograms along the x and y axes to clearly see the distributions of the calculated values.

**History**

#1 - 02/02/2010 10:41 AM - Neil Voss

Ed Brignole wrote:

Since parameters input to Ace2 influence confidence outcome

This statement is false. The parameters have no direct effect on the confidence. The parameters have an effect on the CTF fit. The CTF fit has an influence on the confidence. The confidence is the cross-correlation between the calculated CTF and measured CTF between 90 and 10 Angstroms.

#2 - 02/03/2010 12:19 PM - Neil Voss

- Priority changed from Normal to Low

#3 - 06/16/2010 07:18 PM - Neil Voss

- Target version set to Appion/Leginon 2.2.0

#4 - 11/09/2010 03:19 PM - Amber Herold

- Target version changed from Appion/Leginon 2.2.0 to Appion/Leginon Future Version

#5 - 11/09/2010 03:24 PM - Amber Herold

- Category set to Image Processing