```
 <th>Name</th>
    <th>Version</th>
    <th>Updated</th>
    <th>Description</th>
    <th>Example</th>
  </tr>
  <tbody id="funcs">
    <tr>
        <td>groupskin</td>
        <td>1.0</td>
        <td>2022/08/31</td>
        <td>Create a new group for the zones on the skin of a group ('group'
'slot') and ('adjgroup' 'adjslot') and names it ('newgroup' 'newslot').
            Good for MIT skin plots.
            <br><b>groupskin(group,slot,adjgroup,adjslot,newgroup,newslot)</b>
            <br><u>Inputs:</u>
            <br><b>group:</b> group in which you want newgroup and newslot to be
assigned to
            <br><b>slot:</b> slot in which you want newgroup and newslot to be
assigned to
            <br><b>adjgroup:</b> group adjacent to group and slot zones
            <br><b>adjslot:</b> slot adjacent to group and slot zones
            <br><b>newgroup:</b> group that will be assigned to the zones on the
skin of adjgroup and adjslot zones
            <br><b>newslot:</b> name of slot that will be assigned to the zones
on the skin of adjgroup and adjslot zones
            <br><u>Returns:</u>
            <br>N/A
        </td>
        <td>
            <a href='groupskin.png' target="_blank"> <img alt='figure'
class='img-40 rounded-circle' src='fig.png'/></a>
        </td>
    </tr>
    <tr>
        <td>lodang</td>
        <td>1.0</td>
        <td>2022/08/31</td>
        <td>Calculate the lode angle given principal stresses (sign convention:
(-) compression)
            <br><b>lodeang(s1,s2,s3)</b>
            <br><b>s1:</b> maximum principal stress
            <br><b>s2:</b> intermediate principal stress
            <br><b>s3:</b> minimum principal stress
            <br><u>Returns:</u>
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            <br>lode angle (radians)
        </td>
        <td><font size="-2">flac3d>[lodeang(-1.0e6,-2.0e6,-20.0e6)]
            <br>0.476821</font>
        </td>
    </tr>
    <tr>
        <td>rdc</td>
        <td>1.0</td>
        <td>2022/08/31</td>
        <td>Calculate the factor of safety against the RESPEC dilation criterion
(sign convention: (-) compression)
            <br><b>rdc(s1,s2,s3,D1,D2,n,T0,s0)</b>
            <br><b>s1:</b> maximum principal stress
            <br><b>s2:</b> intermediate principal stress
            <br><b>s3:</b> minimum principal stress
            <br><b>D1:</b> D1
            <br><b>D2:</b> D2
            <br><b>n:</b> n
            <br><b>T0:</b> T0
            <br><u>Returns:</u>
            <br>Factor of safety against RESPEC dilation criterion
        </td>
        <td>
            <a href='code_rdc.txt' target="_blank">code</a>
        </td>
    </tr>
    <tr>
        <td>mcfs3d</td>
        <td>1.0</td>
        <td>2022/08/31</td>
        <td>Calculate the factor of safety against the 3D mohr-coulomb failure
criterion (sign convention: (-) compression)
            <br><b>mcfs3d(s1,s2,s3,Co,phi)</b>
            <br><b>s1:</b> maximum principal stress
            <br><b>s2:</b> intermediate principal stress
            <br><b>s3:</b> minimum principal stress
            <br><b>Co:</b> cohesion
            <br><b>phi:</b> friction angle (radians)
            <br><u>Returns:</u>
            <br>Factor of safety against the 3D mohr-coulomb failure criterion
        </td>
        <td>
            <a href='code_mcfs3d.txt' target="_blank">code</a>
        </td>
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    </tr>
    <tr>
        <td>dp</td>
        <td>1.0</td>
        <td>2022/08/31</td>
        <td>Calculate the factor of safety against dilation potential (sign
convention: (-) compression)
            <br><b>mcfs(s1,s2,s3,lim)</b>
            <br><b>s1:</b> maximum principal stress
            <br><b>s2:</b> intermediate principal stress
            <br><b>s3:</b> minimum principal stress
            <br><b>lim:</b> dilation limit ex:(0.18,0.27,0.54)
            <br><u>Returns:</u>
            <br>Factor of safety against dilation potential
        </td>
        <td>
            <a href='code_dp.txt' target="_blank">code</a>
        </td>
    </tr>
</tbody>
</table>
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