 <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>

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        <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>

            <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>

    </tr>

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        <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>

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</tbody>

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