

Overlapped in RedHawk-SC Electrothermal


As we know, in a CTA run, due to the incorrect input from user (one component overlapped with another one), an error message below will be thrown out in [project/analysis/TI1/thermal/*.log](#), you can check the detail overlapped information in [project/analysis/TI1/thermal/*.dbg](#).

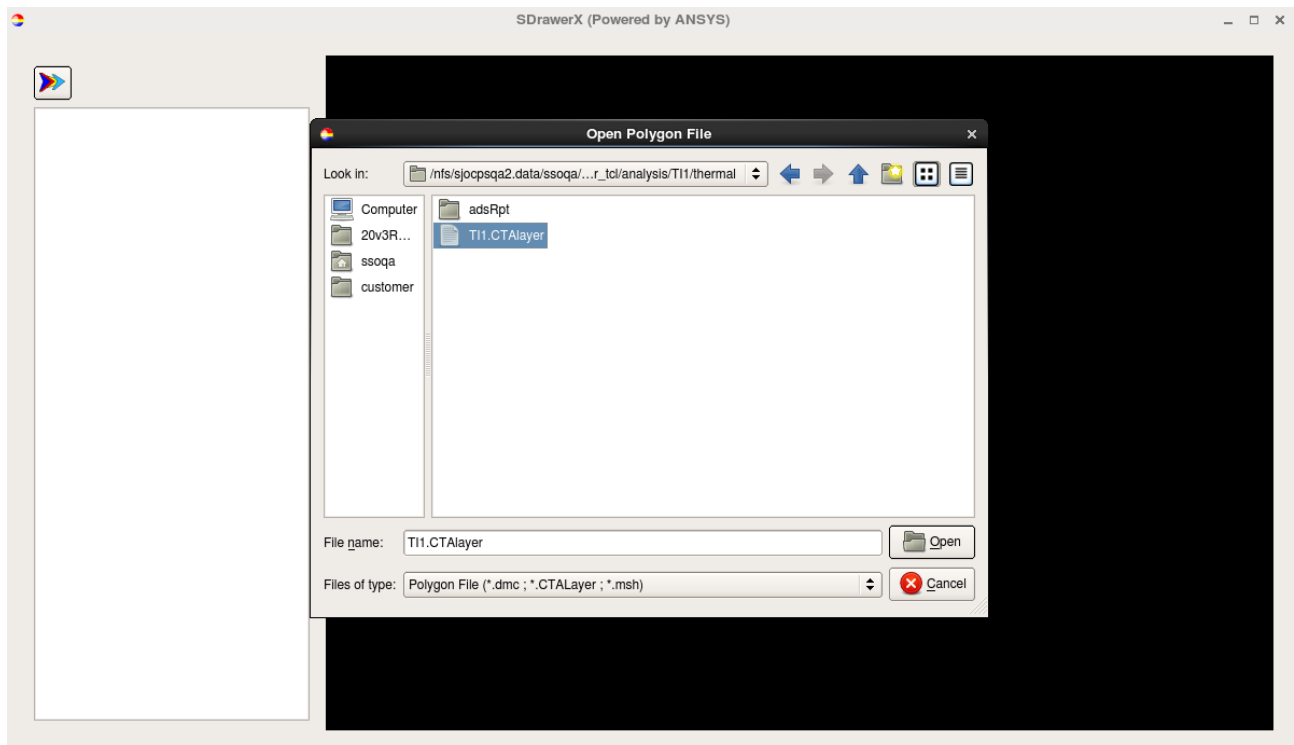
```
290
291 ERROR : Some polygons are overlapped on the same layer. Please check dbg file for details. Your model may NOT be correct!
292
293 WARNING : Polygon 2179 (belongs to Component fccsp_Diel_1) has overlap with Polygon 2178 (belongs to Component fccsp_Diel_1) on layer 14.
294 ERROR : Failed in adding Polygon 2178 into database.
295
296 WARNING : Polygon 2171 (belongs to Component fccsp_Diel_1) has overlap with Polygon 2172 (belongs to Component fccsp_Diel_1) on layer 14.
297 ERROR : Failed in adding Polygon 2172 into database.
298
299 WARNING : Polygon 2090 (belongs to Component fccsp_Diel_1) has overlap with Polygon 2091 (belongs to Component fccsp_Diel_1) on layer 14.
300 ERROR : Failed in adding Polygon 2091 into database.
301
302 WARNING : Polygon 2087 (belongs to Component fccsp_Diel_1) has overlap with Polygon 2086 (belongs to Component fccsp_Diel_1) on layer 14.
303 ERROR : Failed in adding Polygon 2086 into database.
```

Once this error msg showed up, it means the behavior of engine will be unpredictable and result is not reliable.

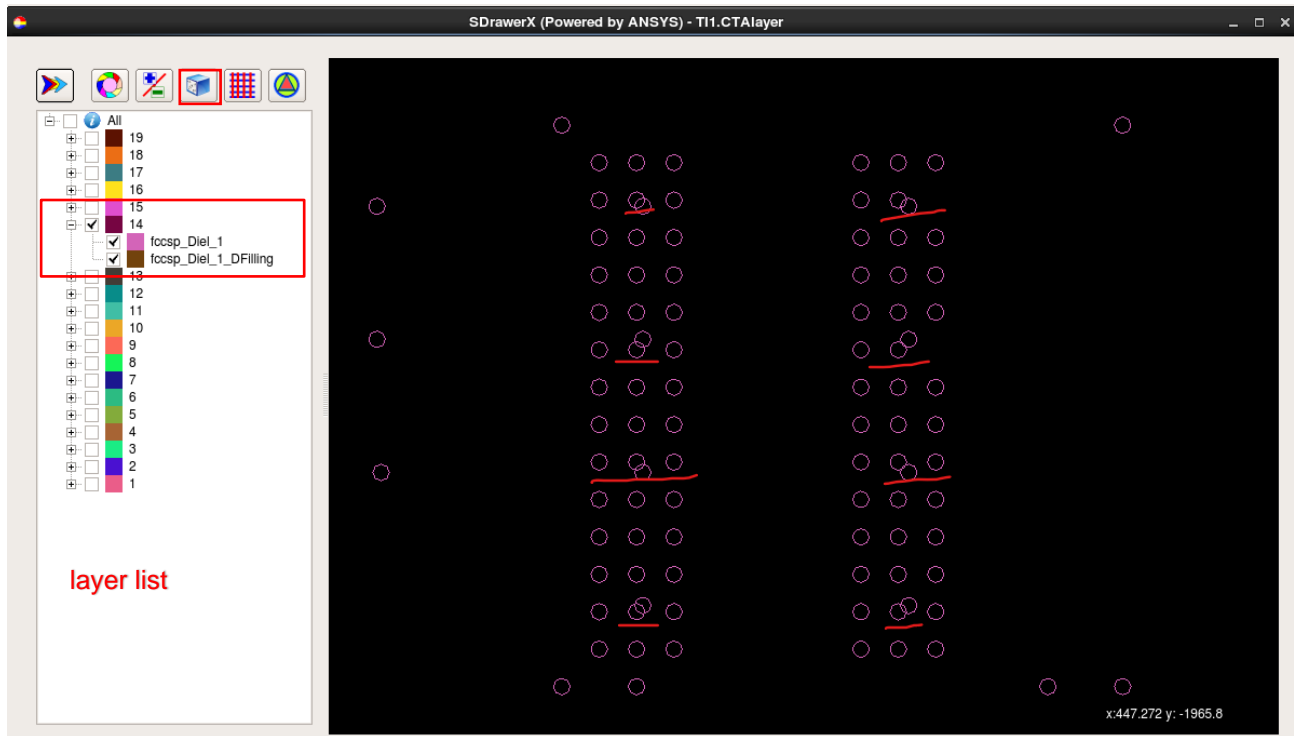
How to Debug Overlapped in RedHawk-SC Electrothermal

User can use SDrawerX to open the [.project/analysis/TI1/thermal/*.CTALayer](#) to view the overlap. The SDrawerX is in < RedHawk-SC Electrothermal Installation Directory>/bin/SDrawerX.

Open SDrawerX dialog, click Open icon  to open the *.CTALayer file.



After opening the *.CTALayer file, click layer 14 in the list, you can see the overlap geometries.



Open **RH-SC ET**, in the layout view, you can check the overlap geometry. To fix this overlap, you need to edit those geometries.

