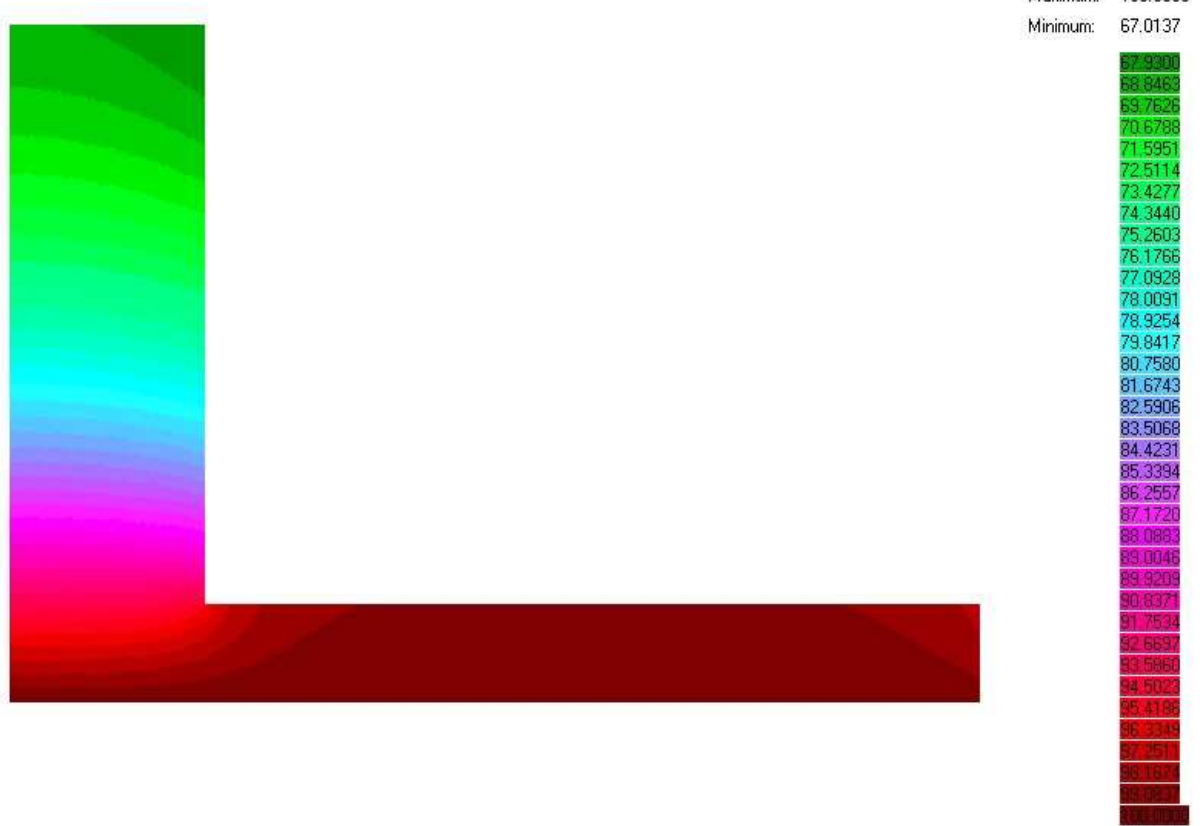


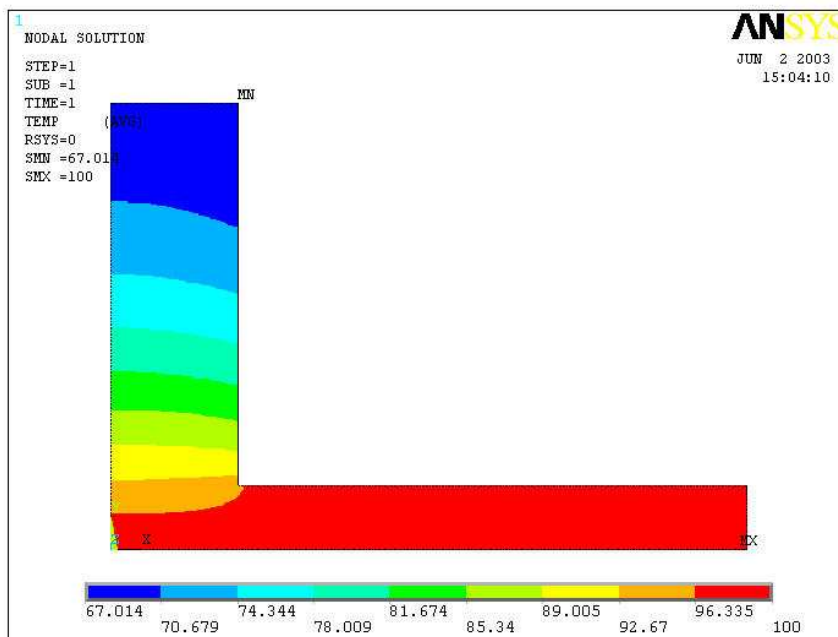
Accuracy of RillFEM

There were simulated several equivalent simulations with softwares RillFEM and ANSYS. Both results were analysed and compared.

Heat STEADY STATE simulation

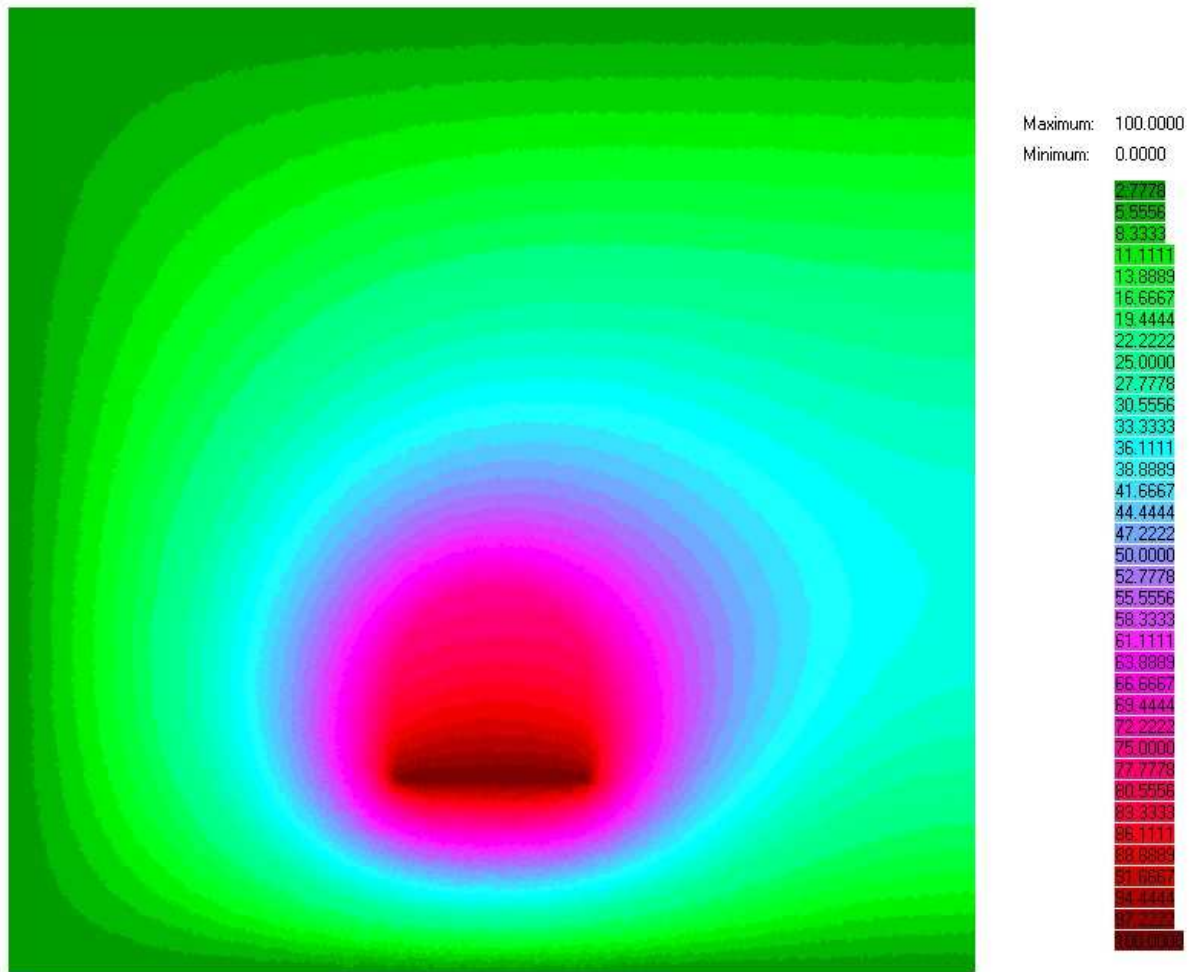


Picture 1. Temperature - RillFEM

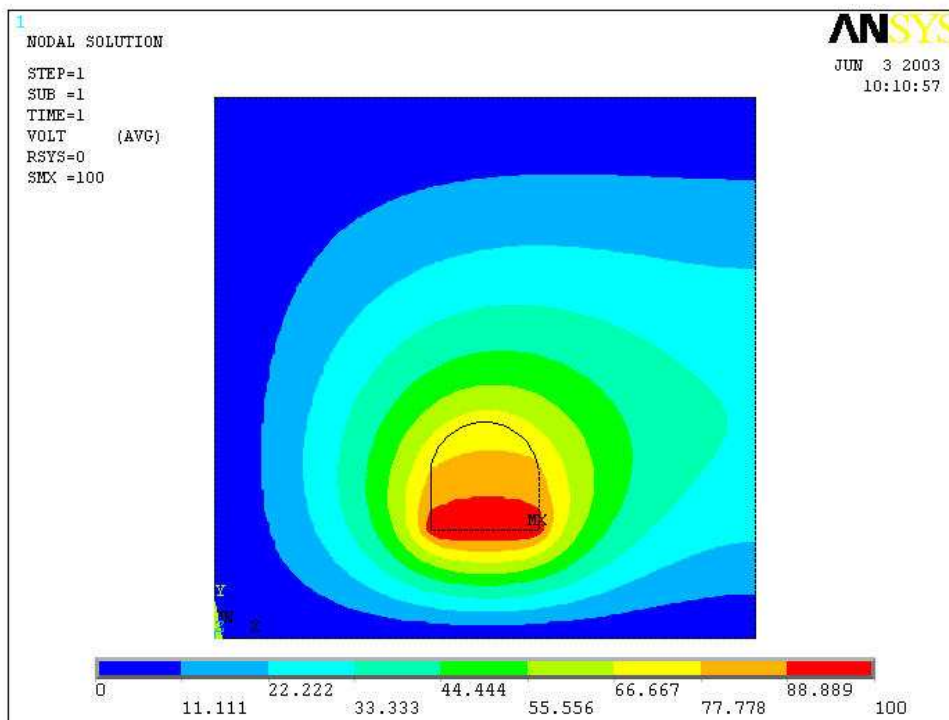


Picture 2. Temperature - Ansys

Electrostatic simulation

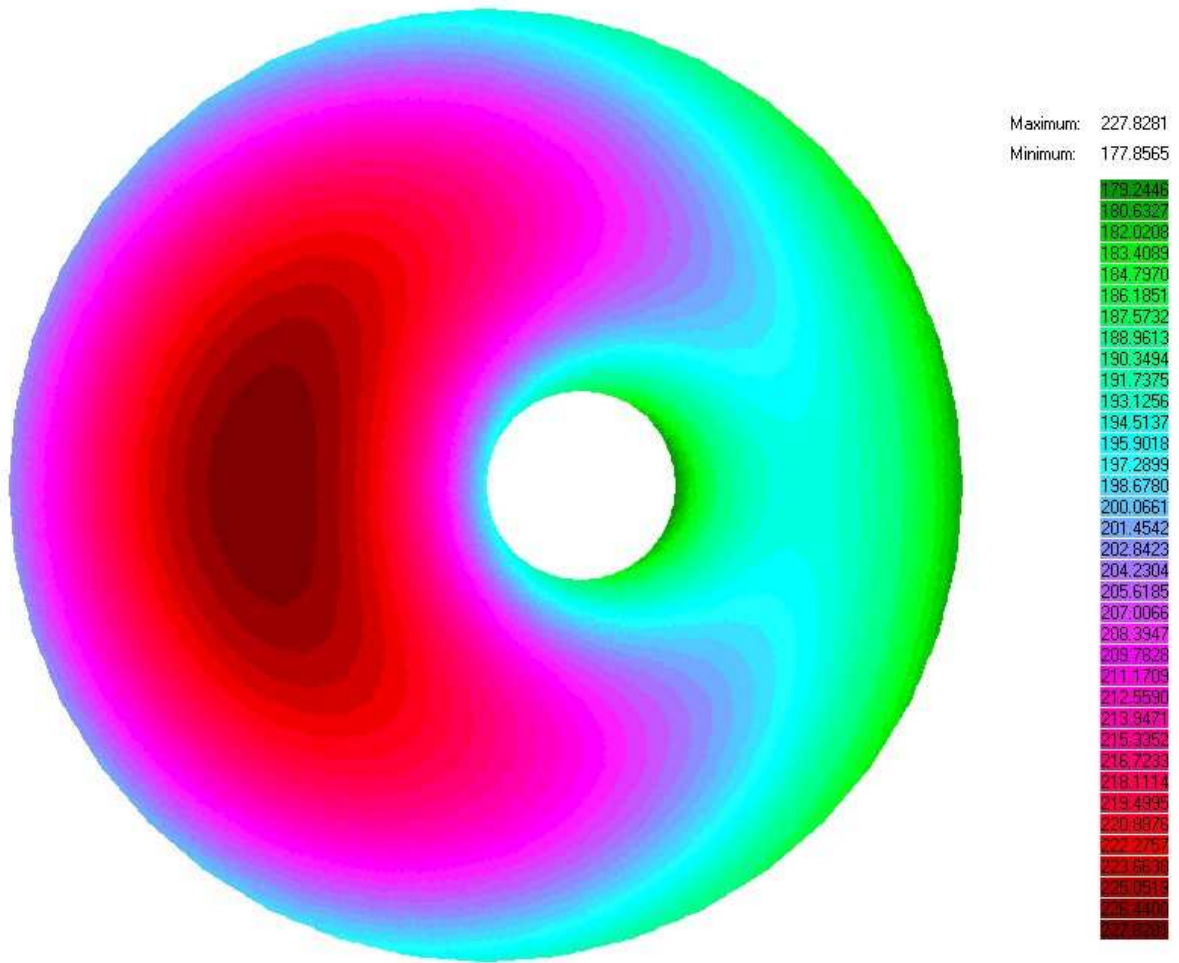


Picture 3. El. potential - RillFEM

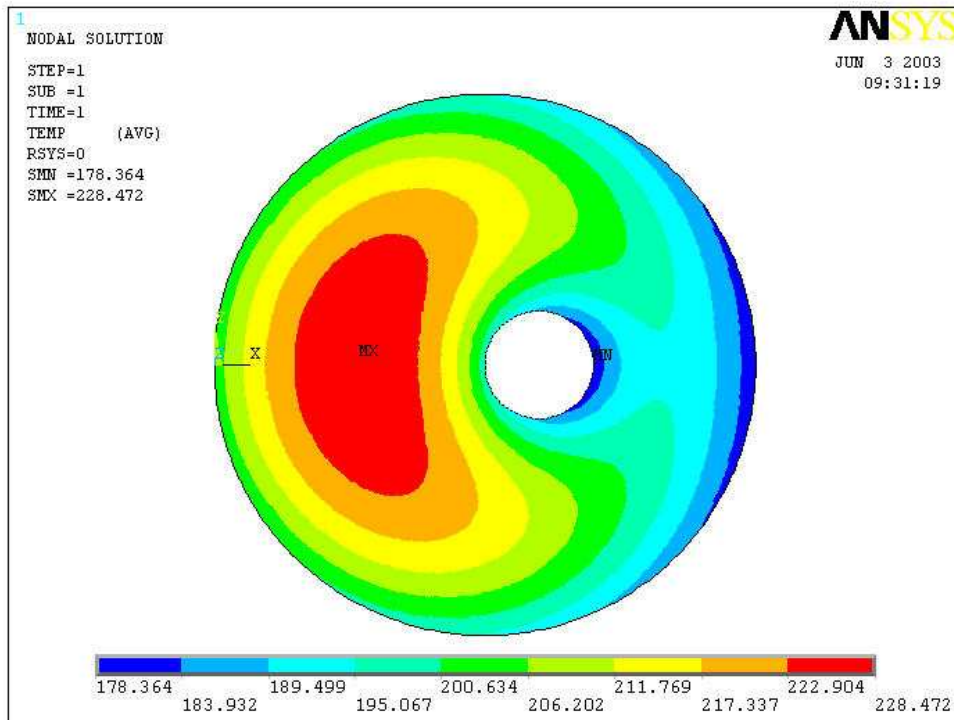


Picture 4. El. potential - ANSYS

Heat STEADY STATE simulation

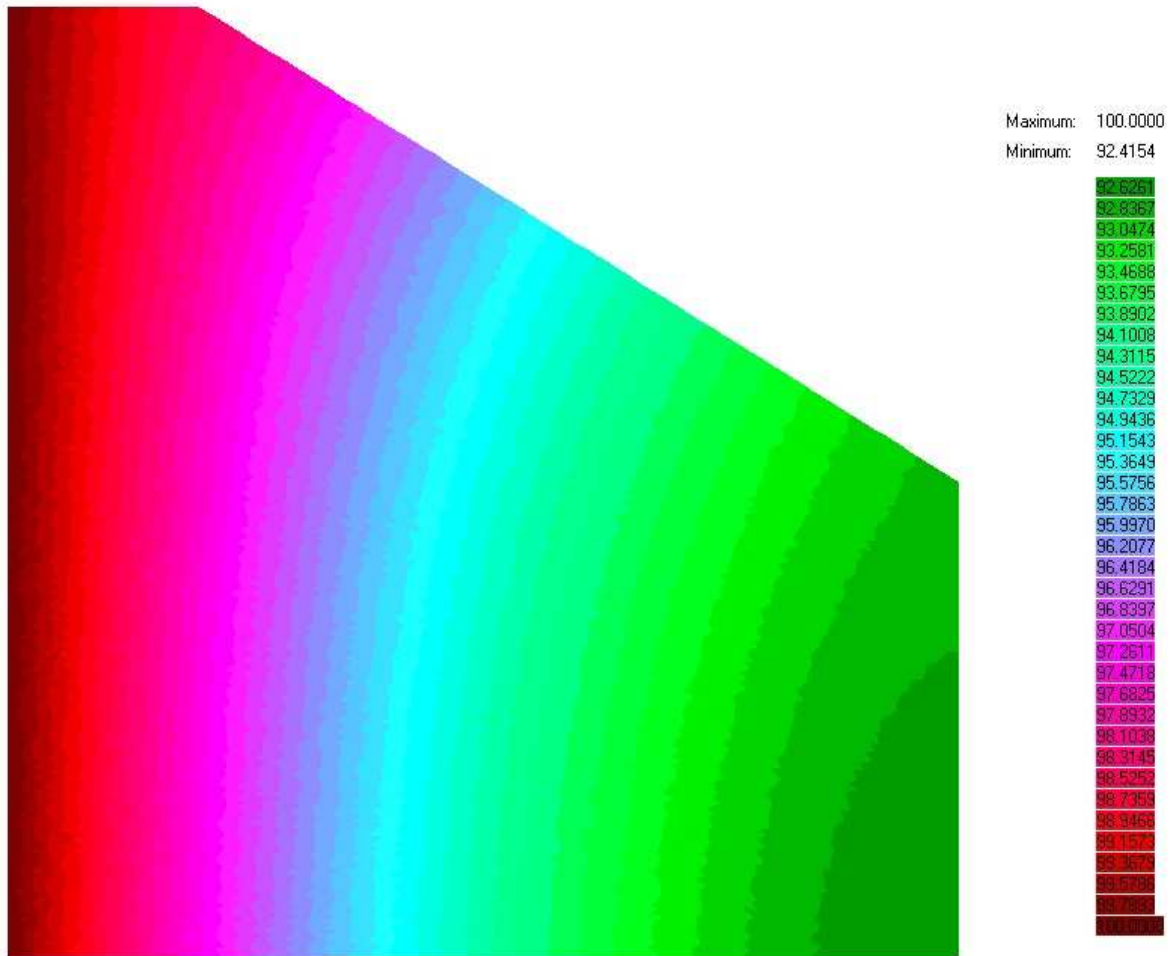


Picture 5. Temperature - RillFEM

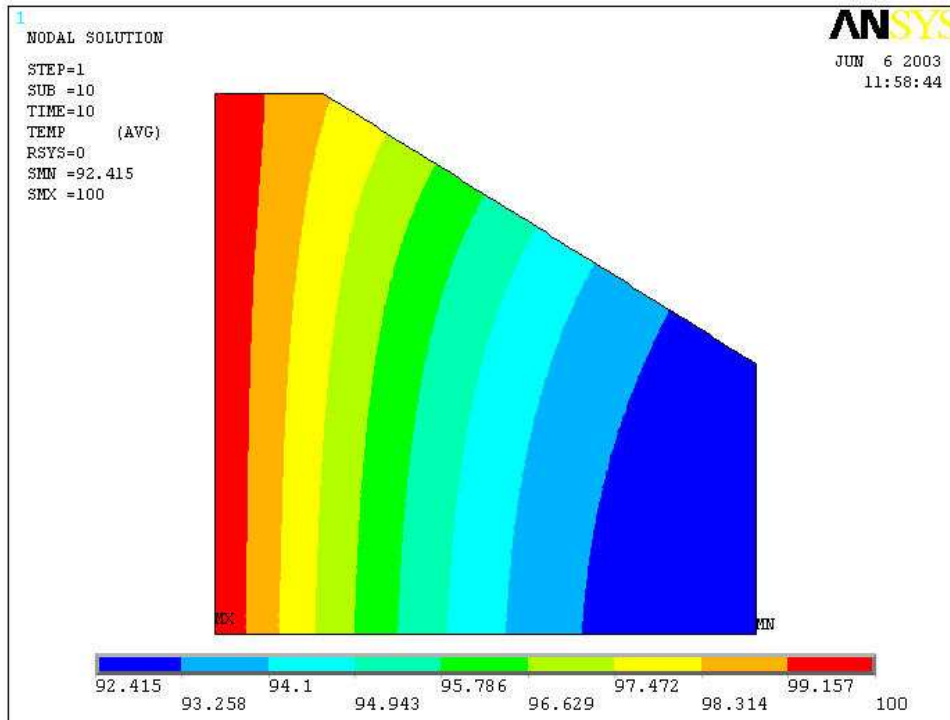


Picture 6. Temperature - Ansys

Heat TRANSIENT analyse

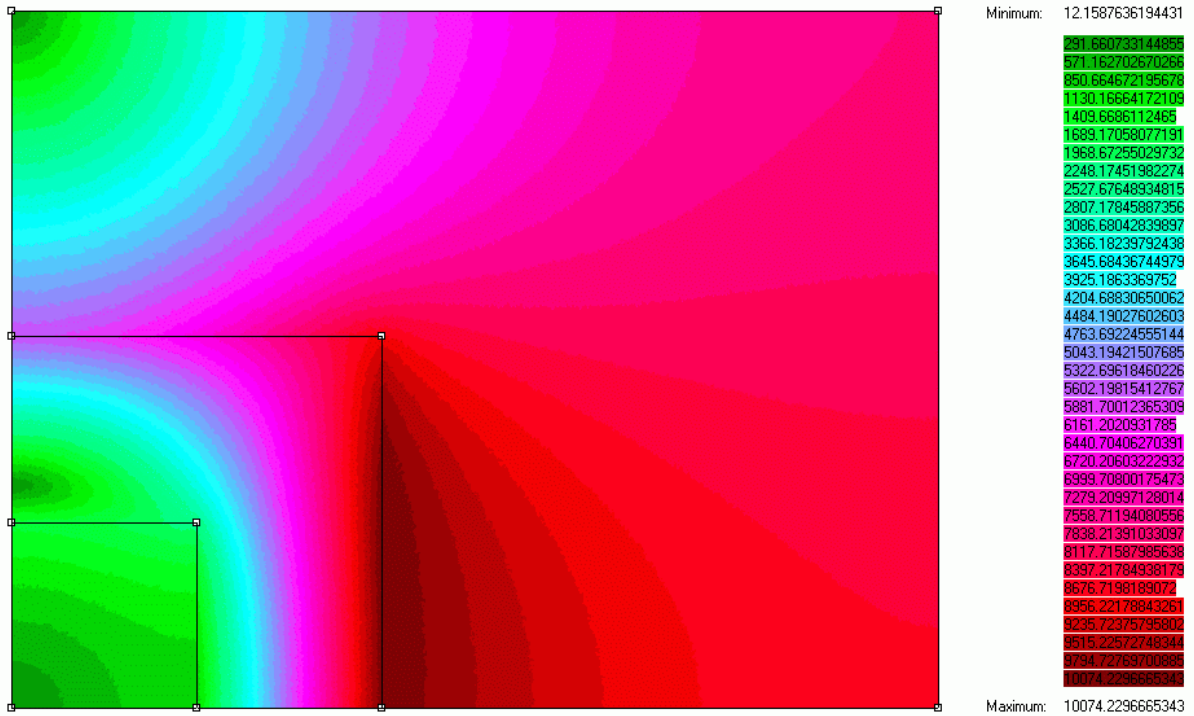


Picture 7. Temperature - RillFEM

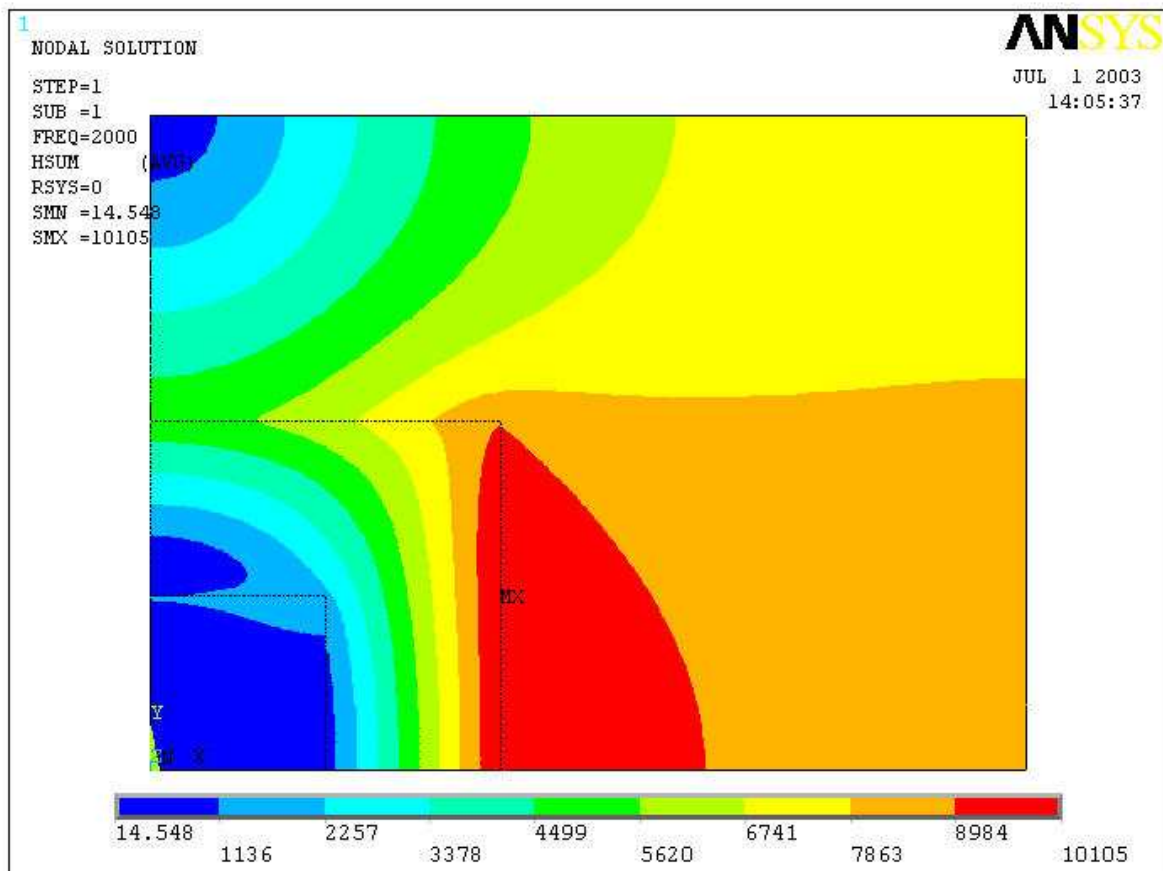


Picture 8. Temperature - Ansys

Harmonic Magnetic Simulation

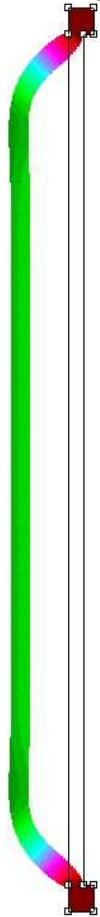


Picture 9. Magnetic intensity - RillFEM



Picture 9. Magnetic intensity - Ansys

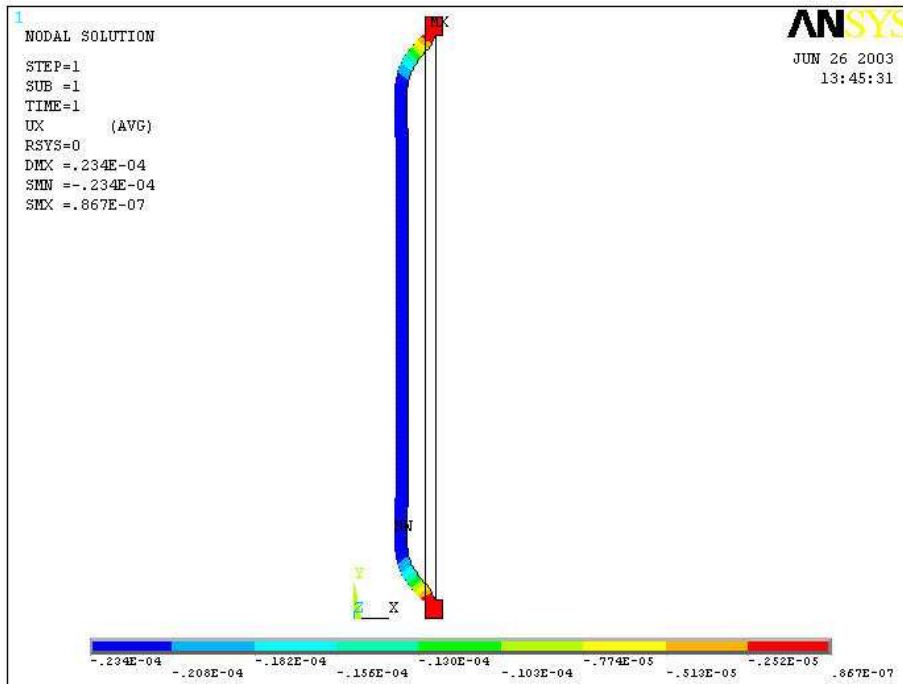
Stress analyse



Maximum: 8,89762038825338E-8
Minimum: -2,33771144617617E-5

8,89762038825338E-8
2,20734427581148E-5
2,14216069062913E-5
2,07697710544679E-5
2,01179352026444E-5
1,94660993950821E-5
1,88142634989975E-5
1,81624276471741E-5
1,75105917953506E-5
1,68587559435272E-5
1,62069200917037E-5
1,55550842398803E-5
1,49032483880568E-5
1,42514125362334E-5
1,35995766844099E-5
1,29477408325865E-5
1,2295904980763E-5
1,16440691289396E-5
1,0992232771161E-5
1,03403974252927E-5
9,68856157346923E-6
9,03672572164578E-6
8,38488986982233E-6
7,73305401799888E-6
7,08121816617543E-6
6,42936631436198E-6
5,77754646252862E-6
5,12571061070507E-6
4,47387475688162E-6
3,82203898705817E-6
3,17020305823472E-6
2,51836220341172E-6
1,86653135158765E-6
1,21469549525410E-6
5,62799429902102E-7
0

Picture 10. Displacement - RillFEM



Picture 11. Displacement - ANSYS