

# 如何导出壁面传热系数及热流

- 执行如下命令流可将某壁面的传热系数及热流参数导出为外部文件：
  - resu,,,,
  - load,,
  - getw,htrans
  - oper,getw,x,1,1 ! 将wall 边界1号坐标系下X值载入1号寄存器
  - oper,getw,y,1,2 ! 将wall 边界1号坐标系下Y值载入2号寄存器
  - oper,getw,z,1,3 ! 将wall 边界1号坐标系下Z值载入3号寄存器
  - oper,getw,htrans,4 ! 将wall 边界传热系数载入4号寄存器
  - oper,getw,hflux,5 ! 将wall 边界热流载入5号寄存器
  - bset,news,regi,3 ! 选择要导出的wall 边界的region号，以3为例
  - vset,news,bset
  - cset,news,vset,all
  - savu,heat.dat,all,coded,cset ! 将1-6号寄存器内容导出为heat.dat文件
  - close,heat.dat



Heat .mac

# Heat.dat文件内容

网格编号

X坐标

Y坐标

Z坐标

传热系数

热流

空

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cdblzhang@nec: ~/yelc/tmp
5011 0.500000000E-01 1.00000000 0.500000000E-01 19.3867800 -3434.88300 0.000000000
5014 0.150000000 1.00000000 0.500000000E-01 15.4035200 -2747.59320 0.000000000
5016 0.250000000 1.00000000 0.500000000E-01 15.3037140 -2736.26000 0.000000000
5018 0.350000000 1.00000000 0.500000000E-01 15.3033800 -2737.71100 0.000000000
5020 0.450000000 1.00000000 0.500000000E-01 15.3034600 -2737.96100 0.000000000
5022 0.550000010 1.00000000 0.500000000E-01 15.3034600 -2737.96040 0.000000000
5024 0.650000000 1.00000000 0.500000000E-01 15.3033700 -2737.71100 0.000000000
5026 0.750000000 1.00000000 0.500000000E-01 15.3036400 -2736.25000 0.000000000
5028 0.850000020 1.00000000 0.500000000E-01 15.4035130 -2747.60500 0.000000000
5039 0.950000040 1.00000000 0.500000000E-01 19.3867540 -3434.88500 0.000000000
5051 0.500000000E-01 1.00000000 0.150000000 19.3873900 -3441.84400 0.000000000
5054 0.150000000 1.00000000 0.150000000 15.4036400 -2753.25000 0.000000000
5056 0.250000000 1.00000000 0.150000000 15.3037400 -2741.78700 0.000000000
5058 0.350000000 1.00000000 0.150000000 15.3034000 -2743.19200 0.000000000
5060 0.450000000 1.00000000 0.150000000 15.3034740 -2743.43100 0.000000000
5062 0.550000010 1.00000000 0.150000000 15.3034730 -2743.43010 0.000000000
5064 0.650000000 1.00000000 0.150000000 15.3033830 -2743.19200 0.000000000
5066 0.750000000 1.00000000 0.150000000 15.3036620 -2741.77610 0.000000000
5068 0.850000020 1.00000000 0.150000000 15.4036320 -2753.26000 0.000000000
5079 0.950000040 1.00000000 0.150000000 19.3873700 -3441.84400 0.000000000
5091 0.500000000E-01 1.00000000 0.250000000 19.3875300 -3448.90200 0.000000000
5094 0.150000000 1.00000000 0.250000000 15.4037230 -2759.01800 0.000000000
5096 0.250000000 1.00000000 0.250000000 15.3037840 -2747.42600 0.000000000
  
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