

Convection String - Excel

File Home Insert Page Layout Formulas Data Review View Developer Tell me what you want to do

Visual Basic Record Macro Use Relative References Macro Security Add-ins Excel COM Insert Design Properties Map Properties Import Expansion Packs Export Refresh Data

J27

	A	B	C	D	E
1	*SURFACE_NAME=Top_of_Ceramic		F or R	F	*FILM
2	19220.S2		Temp	1100	19220.F2,1100,100
3	19222.S2		HTC	100	19222.F2,1100,100
4	19224.S2				19224.F2,1100,100
5	19226.S2				19226.F2,1100,100
6	19228.S2				19228.F2,1100,100
7	19230.S2				19230.F2,1100,100
8	19232.S2				19232.F2,1100,100
9	19234.S2				19234.F2,1100,100
10	19236.S2				19236.F2,1100,100
11	19238.S2				19238.F2,1100,100
12	19240.S2				19240.F2,1100,100
13	19242.S2				19242.F2,1100,100
14	19244.S2				19244.F2,1100,100
15	19246.S2				19246.F2,1100,100
16	19248.S2				19248.F2,1100,100
17	19250.S2				19250.F2,1100,100
18	19252.S2				19252.F2,1100,100
19	19254.S2				19254.F2,1100,100
20	19256.S2				19256.F2,1100,100
21	19258.S2				19258.F2,1100,100
22	19260.S2				19260.F2,1100,100
23	19262.S2				19262.F2,1100,100
24	19264.S2				19264.F2,1100,100
25	19266.S2				19266.F2,1100,100
26	19268.S2				19268.F2,1100,100
27	19270.S2				19270.F2,1100,100
28	19272.S2				19272.F2,1100,100
29	19274.S2				19274.F2,1100,100
30	19276.S2				19276.F2,1100,100
31	19278.S2				19278.F2,1100,100
32	19280.S2				19280.F2,1100,100
33	19282.S2				19282.F2,1100,100
34	19284.S2				19284.F2,1100,100
35	19286.S2				19286.F2,1100,100
36	19288.S2				19288.F2,1100,100
37	19290.S2				19290.F2,1100,100
38	19292.S2				19292.F2,1100,100
39	19294.S2				19294.F2,1100,100
40	19296.S2				19296.F2,1100,100
41	19298.S2				19298.F2,1100,100
42	19300.S2				19300.F2,1100,100
43	19302.S2				19302.F2,1100,100
44	19304.S2				19304.F2,1100,100
45	19306.S2				19306.F2,1100,100
46	19308.S2				19308.F2,1100,100
47	19310.S2				19310.F2,1100,100
48	19312.S2				19312.F2,1100,100
49	19314.S2				19314.F2,1100,100
50	19316.S2				19316.F2,1100,100
51	19318.S2				19318.F2,1100,100
52	19320.S2				19320.F2,1100,100
53	19322.S2				19322.F2,1100,100
54	19324.S2				19324.F2,1100,100

Write Film or Radiate command

Microsoft Visual Basic for Applications - Convection String.xlsm - [Sheet1 (Code)]

Project - VBAProject

CommandButton1 Click

```

Sub CommandButton1_Click()
'Routine to read surface from Calculix Input file and write Convection or Radiation command lines

Dim Surface, Temp, Coeff As String

Film = Cells(1, 4)
Temp = Cells(2, 4)
Coeff = Cells(3, 4)

If Film = "F" Then
Cells(1, 5) = "*FILM"
End If

If Film = "R" Then
Cells(1, 5) = "*RADIATE"
End If

i = 1

Do
Surface = Cells(i + 1, 1)
Space1 = InStr(1, Surface, ",")
Elem = Left(Surface, Space1)
Face = Mid(Surface, Space1 + 2, Space1 + 2)

If Surface <> "" Then
Cells(i + 1, 5) = Elem & Film & Face & "," & Temp & "," & Coeff
End If

i = i + 1

Loop While Surface <> ""

End Sub

```

Sheet1 Worksheet

(Name)	Sheet1
DisplayPageBreak	False
DisplayRightToLeft	False
EnableAutoFill	False
EnableCalculation	True
EnableFormat	True
EnableOutline	False
EnablePivotTable	False
EnableSelection	0 - xlNoRest
Name	Film
ScrollArea	
StandardWidth	8.43
Visible	-1 - xlSheet

Ready Film Radiate