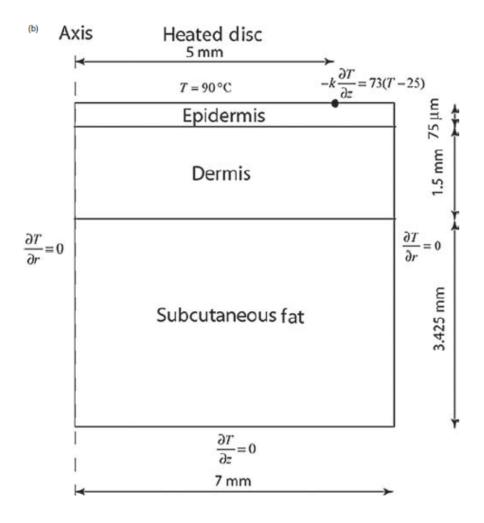
## Geometry



▼ Param	eters				
** Name	Expression	Value	Description		
rho_b	1100[kg/m^3]	1100 kg/m³	Blood density		
C_pb	3300[J/(kg*K)]	3300 J/(kg·K)	Blood Specific Heat		
V_b	4e-4[1/s]	4E-4 1/s	Blood flow rate per unit v		
T_a	310.15[K]	310.15 K	Arterial blood temperature		
А	3e98[1/s]	3E98 1/s	Frequency factor		
Ea	6.3e8[J/kmol]	6.3E5 J/mol	Activation Energy		

## Input parameters

Value		
3×10 <sup>98</sup> l/s		
15 s		
73 Wm <sup>-2</sup> K <sup>-1</sup>		
0.21 Wm <sup>-1</sup> K <sup>-1</sup>		
$0.37  \mathrm{Wm^{-1}K^{-1}}$		
0.16 Wm <sup>-1</sup> K <sup>-1</sup>		
1100 kgm <sup>-3</sup>		
1000 kgm <sup>-3</sup>		
1000 kgm <sup>-3</sup>		
1000 kgm <sup>-3</sup>		
3300 Jkg <sup>-1</sup> K <sup>-1</sup>		
3181.82 Jkg <sup>-1</sup> K <sup>-1</sup>		
2846.15 Jkg <sup>-1</sup> K <sup>-1</sup>		
1975.31 Jkg <sup>-1</sup> K <sup>-1</sup>		
37°C		
34 °C		
90 °C		
25 °C		
0.024 ml/min/ml tissue		

## Mesh setup

Boundary	1,9	2, 4, 6	3, 10	5, 11	7	8
Number of elements	10	210	20	10	150	60
Element ratio	2	1	20	1	1	1
Reverse direction	$\operatorname{Check}$		$\operatorname{Check}$			