**Simplified/Solved Equations:**

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**Equation 9, interior node, m, simplifying the given:**

*If* ***is*** *consistent throughout all nodes (e.g. boundaries depth* ***are*** *a multiple of nodal spacing):*

*Interior node heat flux (RHS):*

*If*  ***is not*** *consistent throughout all nodes (e.g. boundaries depth* ***are******not*** *a multiple of nodal spacing):*

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**Equation 11, interface node,**

**When R.c = 0, :**

**Given:**

**Given:** (11) & (8)

Solve for in (8) and plug into (11), then solve for :

**CORRECTED UNITS**

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**Outgoing radiation, Equation 1:**

**Corrected units:**

**Simplified Units:**

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**Convective heat coefficient of air, Equation 4:**

**Corrected Units**

**Simplified Units:**

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**Interior node, Equation 9:**

**Corrected units:**

**Simplified Units:**

**Surface node (surface pavement temperature), Equation 10:**

**Given units:**

**Simplified Units:**

Surface volumetric heat capacity