**Simplified/Solved Equations:**

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

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**Equation 11, interface node, assuming, :**

**Given:**

**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