# Radiant Slab Systems Heating Power Prediction RC Model

Diagram

Description automatically generated

## Performance

|  |  |
| --- | --- |
| RsCs from Initial Estimation | RsCs After Optimization (1000 particles, 150 iterations) |
| Graphical user interface, application  Description automatically generated | Graphical user interface, application  Description automatically generated |

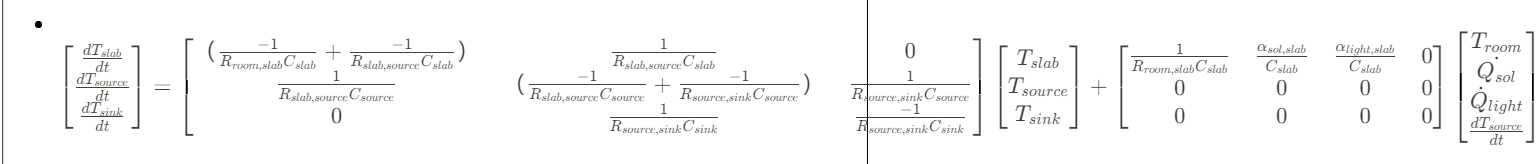
# Radiant Slab RC Model 3

Diagram

Description automatically generated

Text, letter

Description automatically generated



Diagram

Description automatically generated

## Performance

Chart

Description automatically generated

# Room Temperature Prediction RC Model

Diagram

Description automatically generated

## Performance

Chart

Description automatically generated

# Radiant Slab RC Model 1

Notes:

Thermal insulation as fixed temperature boundary, T\_adj =T\_sink = 21 C

Diagram, schematic

Description automatically generated

# Radiant Slab RC Model 2

Notes:

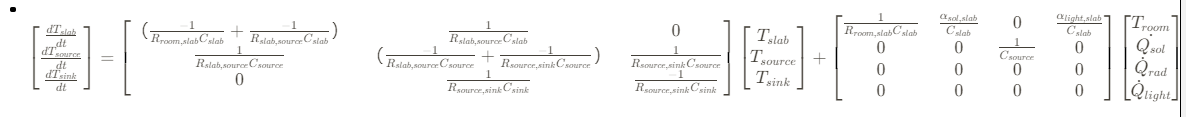
Thermal insulation temperature as one of state variables.

Diagram

Description automatically generated

Text, schematic

Description automatically generated with medium confidence



Diagram

Description automatically generated

Text

Description automatically generated

# Performance Comparison

|  |  |
| --- | --- |
| **Radiant Slab RC Model 1** | **Radiant Slab RC Model 2** |
| Chart  Description automatically generated | Chart, line chart  Description automatically generated |

|  |  |
| --- | --- |
| **Radiant Slab RC Model 2**  No lighting consumption data | **Radiant Slab RC Model 2**  With lighting consumption data |
| Chart, line chart  Description automatically generated | Chart, line chart  Description automatically generated |