

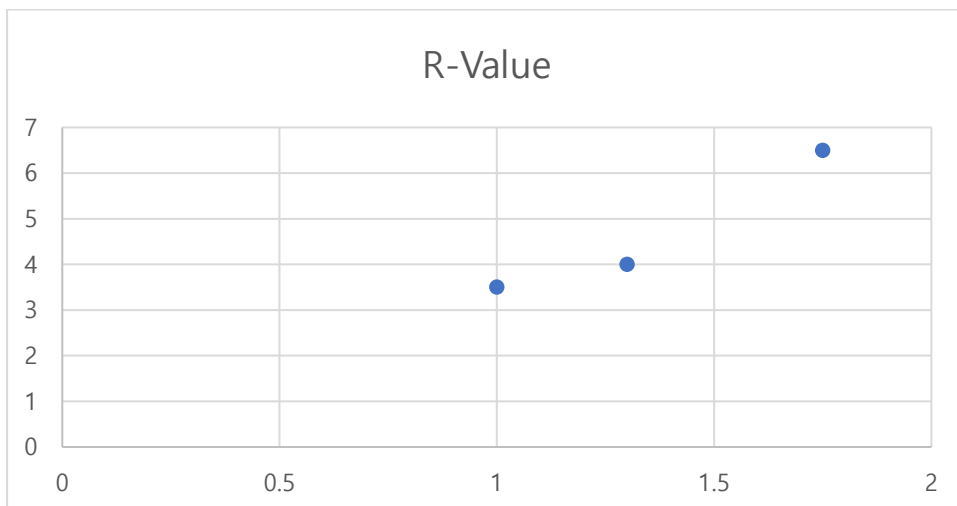
Conduction Study

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Material Comparison

	Cost per ft2	R-Value
Open-Cell Spray Foam	1.3	4
Closed-Cell Spary Foam	1.75	6.5
Fiberglass	1	3.5

Scatterplot



Relationship: The price of the material and R-Value of the material has linear correlation.

What is the relationship between center-of-glass U-Value to assembly U-Value?

NI.1 Solar Heat Gain Coefficient

Convert the center of glass SHGC, $SHGC_c$, from the manufacturer's documentation to a value for the fenestration product with framing, $SHGC_{fen}$,

$$SHGC_{fen} = 0.08 + 0.86 \times SHGC_c$$

Where:

$SHGC_{fen}$ is the SHGC for the fenestration including glass and frame.

$SHGC_c$ is the SHGC for the center of glass alone