

# Read a model line without overclaiming

Q on the vertical axis (J);  $\Delta T$  on the horizontal axis (K).

## 1 • ARE THE POINTS MEASURED OR CALCULATED?

Record two distinct ( $\Delta T$  K, Q J) pairs:

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## 2 • SLOPE IS ENERGY PER KELVIN

slope =  $\Delta Q \div \Delta T$ ; unit J K<sup>-1</sup>

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## 3 • DIVIDE BY MASS FOR c

slope = m c; c = slope  $\div$  m

unit of c: J kg<sup>-1</sup> K<sup>-1</sup>

## 4 • STATE THE DOMAIN

Constant c, one phase, no modelled loss: which range?

No experimental accuracy from calculated points.