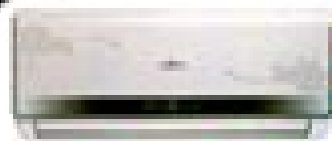


Outdoor

Temperature variation

Thermodynamic Air
Conditioning Model

T_{out}



Heating



Cooling

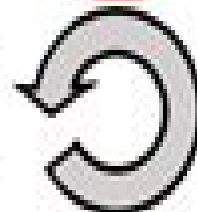


$$T_L \leq T_{in} \leq T_H$$

T_c



Energy
usage



T_c



Coefficient of
Performance
(COP)

Characteristic
Temperature
Method (CTM)



Heat transfer through
Building envelopes

Load demands



Heating Cooling Of Buildings Design For Efficiency Solution

Michael Brown



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