
Pinch Analysis

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CONTENTS:

1	Indices and tables	1
	Python Module Index	3
	Index	5

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

`plots.cold_composite` (*enth*: *numpy.array*, *temp*: *numpy.array*) → None
Cold composite curve

Parameters

- **enth** – array of enthalpy values
- **temp** – array of cold temperatures

Returns None

`plots.combined_composite` (*enth*: *numpy.array*, *temp_cold*: *numpy.array*, *temp_hot*: *numpy.array*,
dtmin: *numpy.float64*, *pinch_temp*: *numpy.float64*, *min_cooling*:
numpy.float64, *min_heating*: *numpy.float64*) → None

Combined composite curve

Parameters

- **enth** – array of enthalpy values
- **temp_cold** – array of cold temperatures
- **temp_hot** – array of hot temperatures
- **dtmin** – minimum allowable temperature difference
- **pinch_temp** – temperature at the pinch
- **min_cooling** – minimum allowable cooling heat flux
- **min_heating** – minimum allowable heating heat flux

Returns None

`plots.grand_composite` (*enth*: *numpy.array*, *temp*: *numpy.array*) → None
Grand composite curve

Parameters

- **enth** – array of enthalpy values
- **temp** – array of temperatures

Returns None

`plots.hot_composite` (*enth*: *numpy.array*, *temp*: *numpy.array*) → None
Hot composite curve

Parameters

- **enth** – array of enthalpy values
- **temp** – array of hot temperatures

Returns None

`plots.stream_matching()` → None

Steam matching diagram I am still unsure how to create this diagram, so this is a pure stub with no parameters.

Returns

PYTHON MODULE INDEX

p

plots, [1](#)

INDEX

C

`cold_composite()` (*in module plots*), 1
`combined_composite()` (*in module plots*), 1

G

`grand_composite()` (*in module plots*), 1

H

`hot_composite()` (*in module plots*), 1

P

`plots` (*module*), 1

S

`stream_matching()` (*in module plots*), 2