
**Bypass control for heat exchanger networks based on frequency
domain stability analysis**

Abstract:

Key words:

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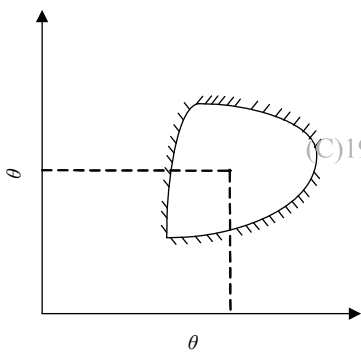
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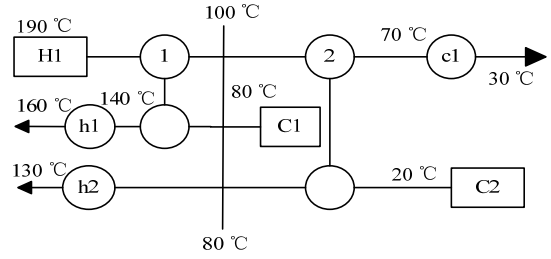
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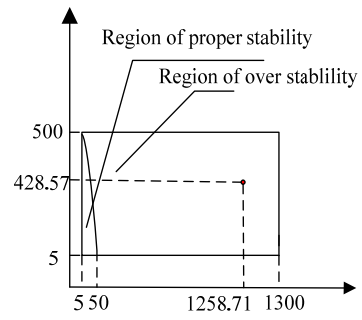
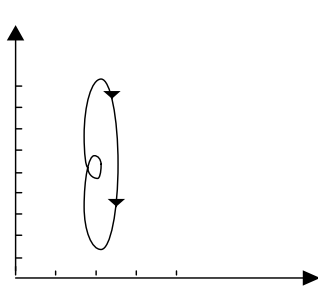
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Table 1 Basic stream parameters

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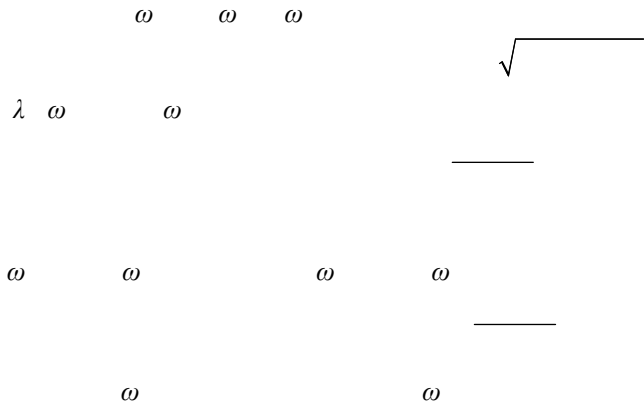
$$\omega \quad \mathbf{G} \quad \mathbf{G} \quad \omega$$

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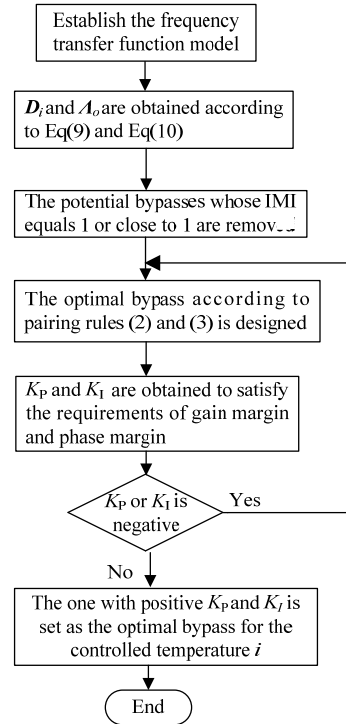
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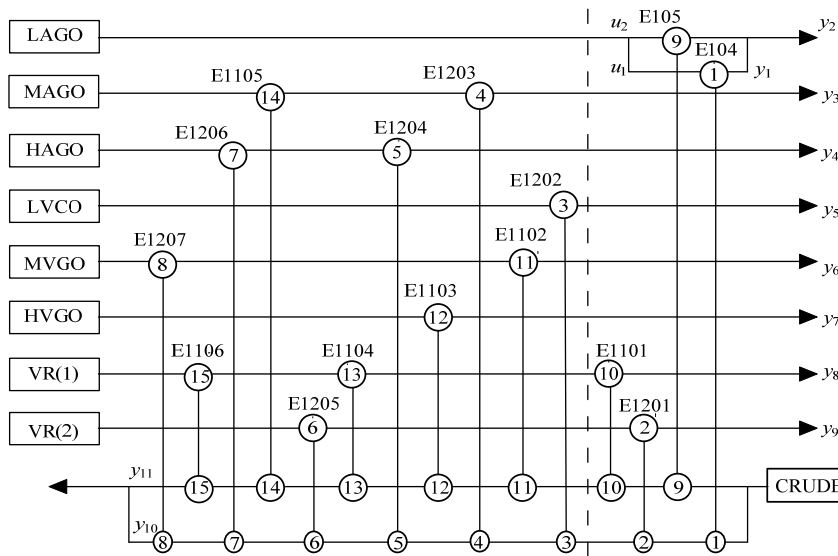


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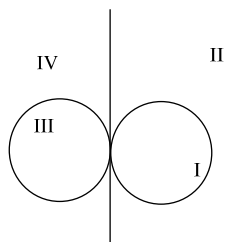
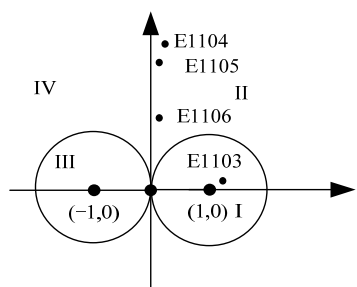


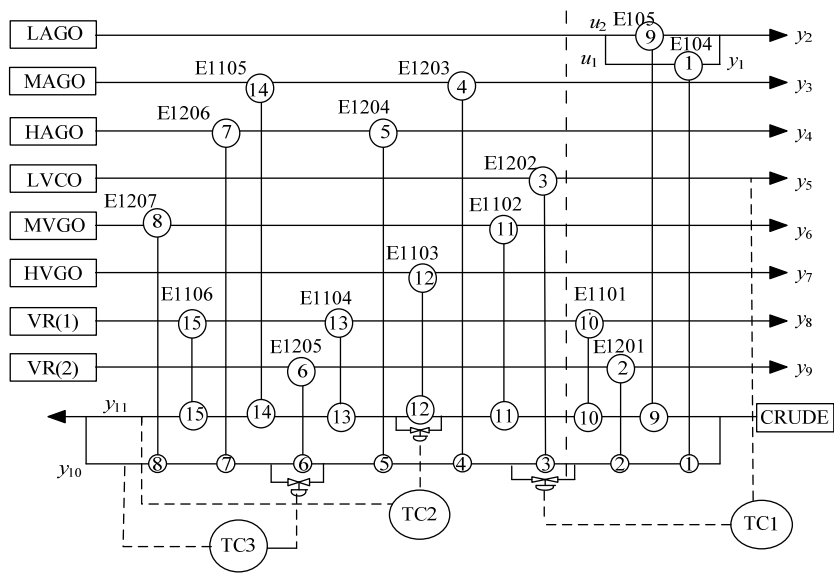
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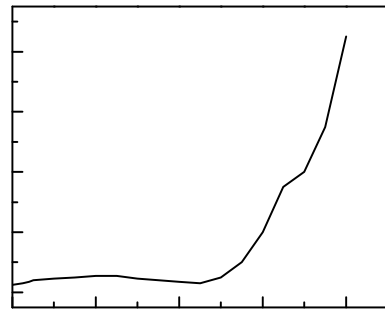
Table 2 Basic stream parameters of crude oil heat exchanger

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4.2



5 PI

Table 5 PI parameters and stability margins

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Table 6 Comparison of control from different references

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