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APÊNDICE A

No capítulo 5 foram apresentados os resultados da simulação do condensador e evaporador, onde a comparação entre valores numéricos e experimentais transcorrem na forma de gráficos de erro relativo e absoluto da variável numérica versus a qualquer variável experimental. Apresentam-se neste apêndice as gráficas comparativas entre os dados numéricos versus experimentais.

A.1

Resultados da simulação do condensador com o refrigerante R22

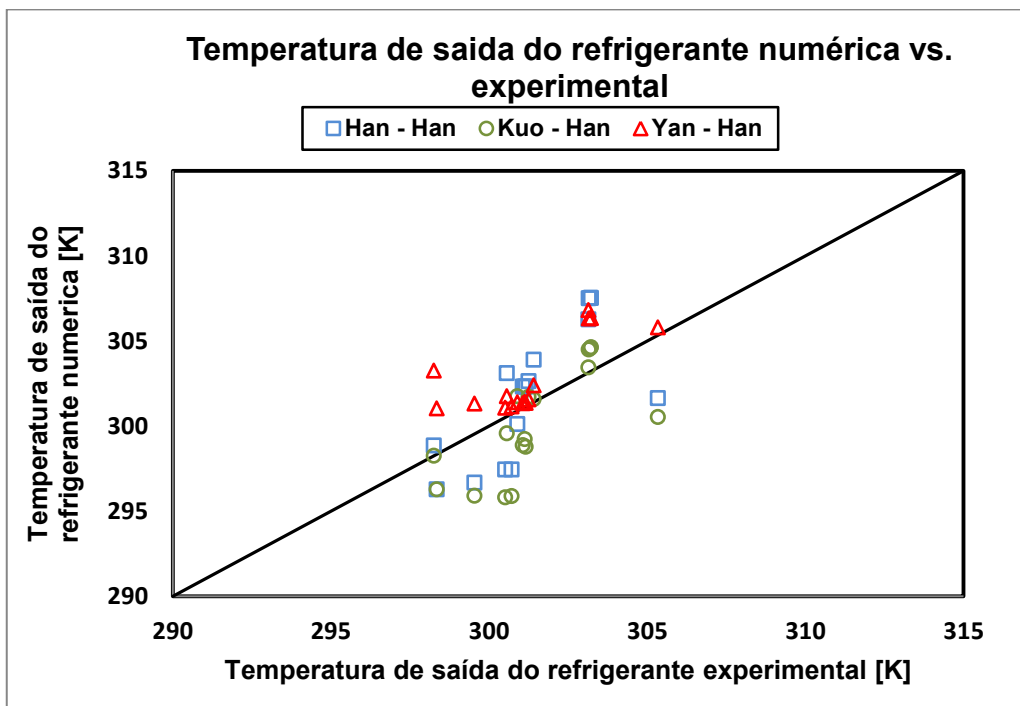


Figura 49 Comparação das temperaturas de saída numérica e experimental do refrigerante R22 no condensador

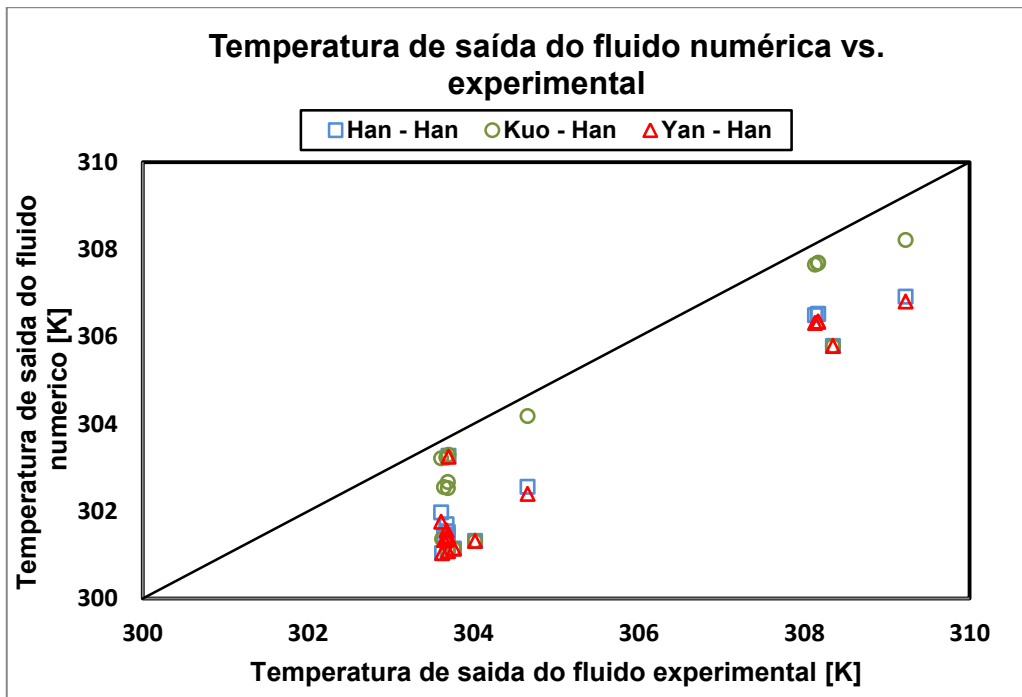


Figura 50 Comparação das temperaturas de saída numérica e experimental do fluido de resfriamento no condensador

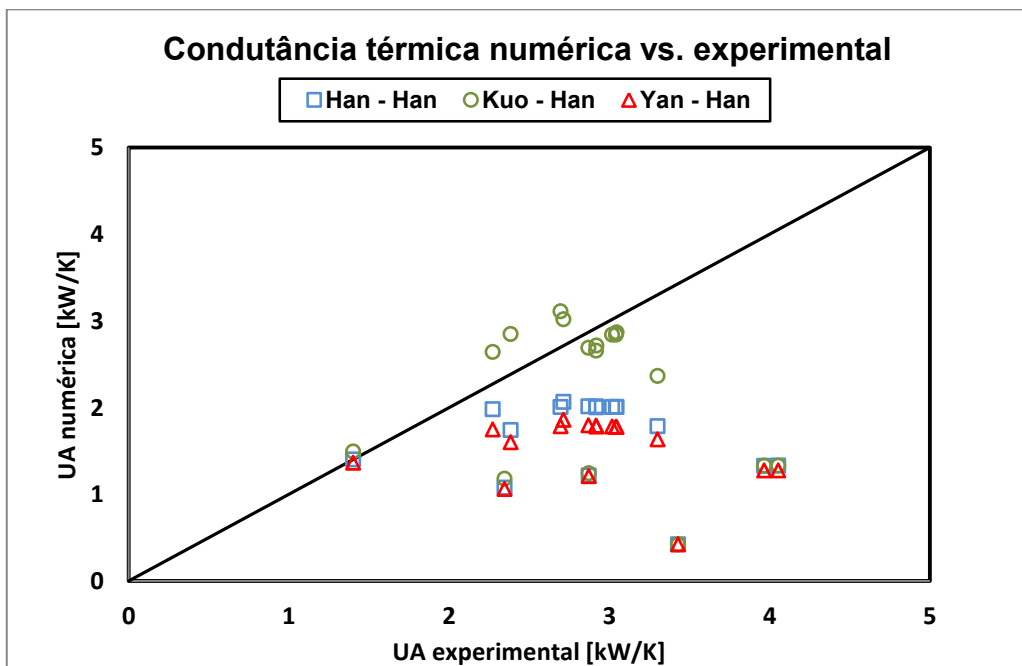


Figura 51 Comparação da condutância numérica e experimental

A.2

Resultados da simulação do condensador com o refrigerante R290

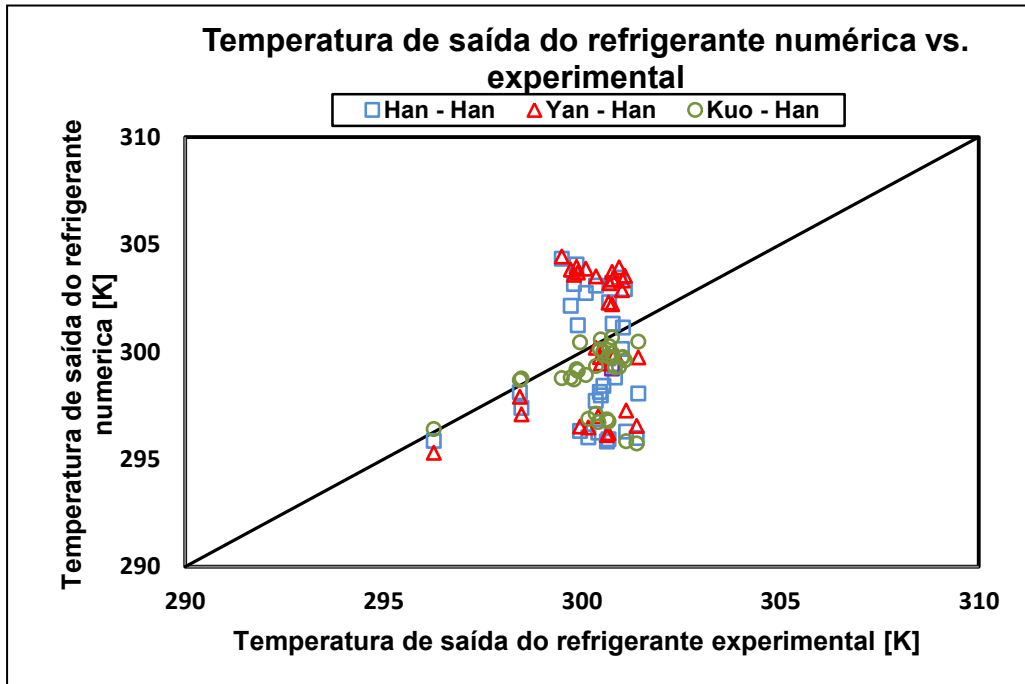


Figura 52 Comparação das temperaturas de saída numérica e experimental do refrigerante R290 no condensador.

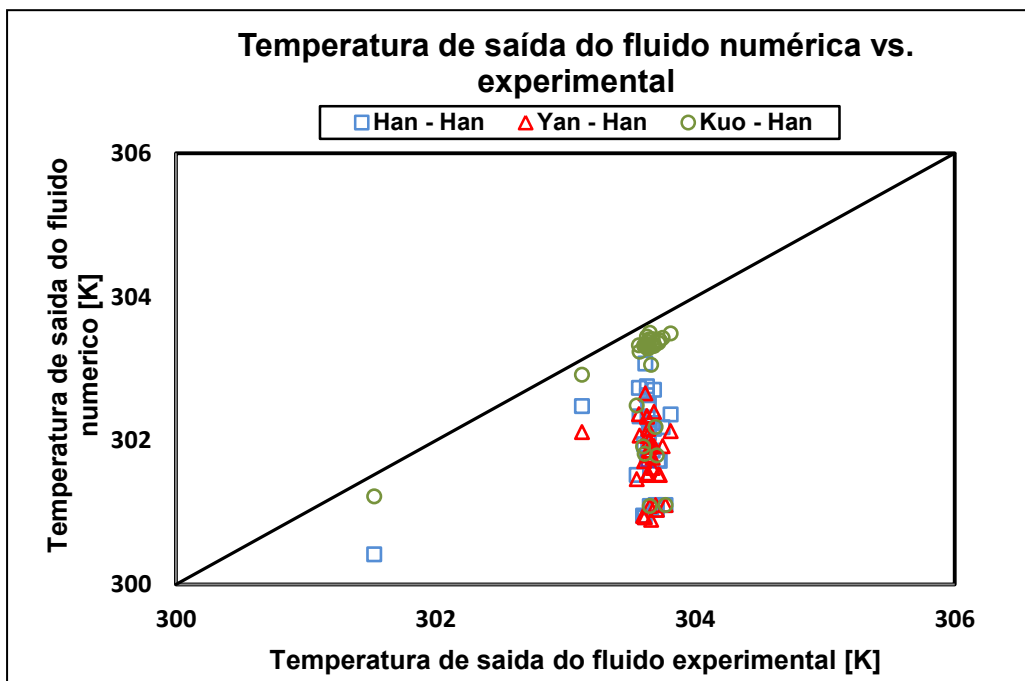


Figura 53 Comparação das temperaturas de saída numérica e experimental do fluido de resfriamento no condensador.

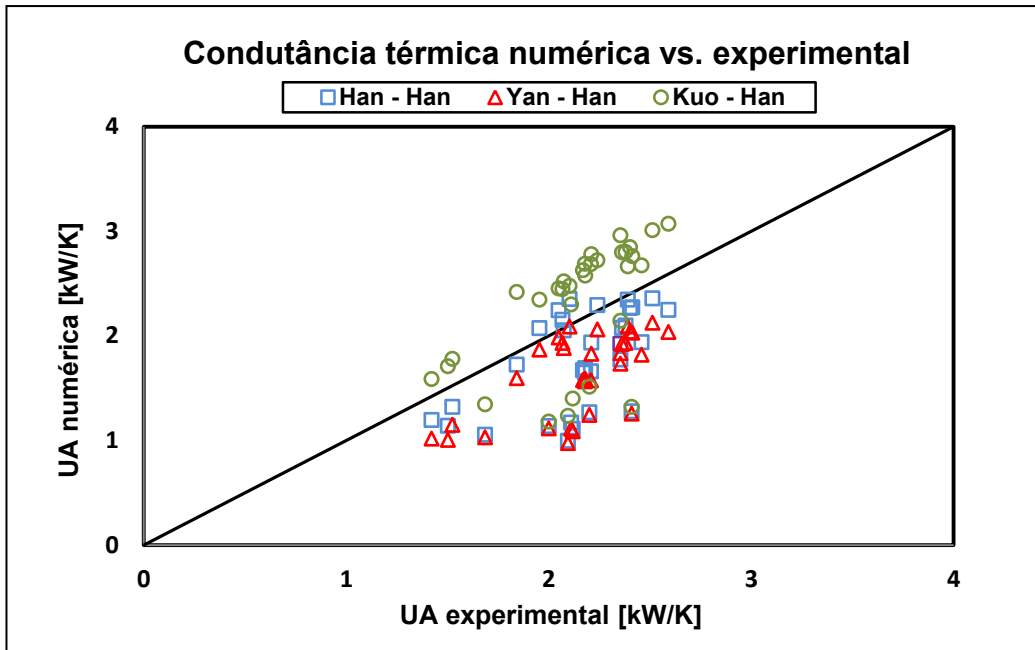


Figura 54 Comparação das condutâncias numérica e experimental no condensador.

A.3

Resultados da simulação do evaporador com o refrigerante R22

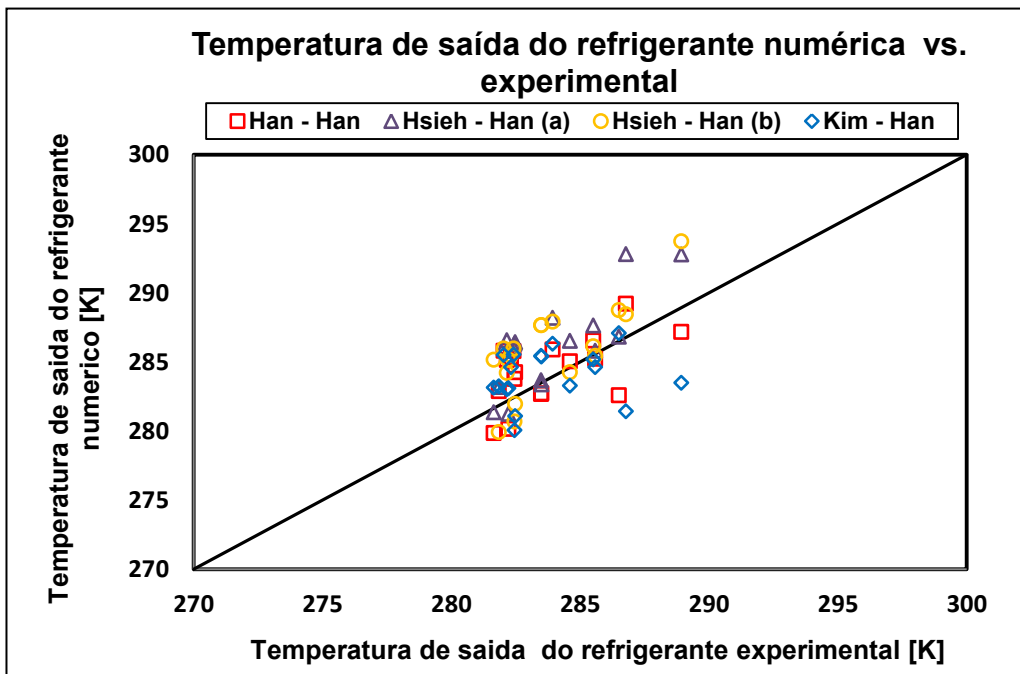


Figura 55 Comparação das temperaturas de saída numérica e experimental do refrigerante no condensador.

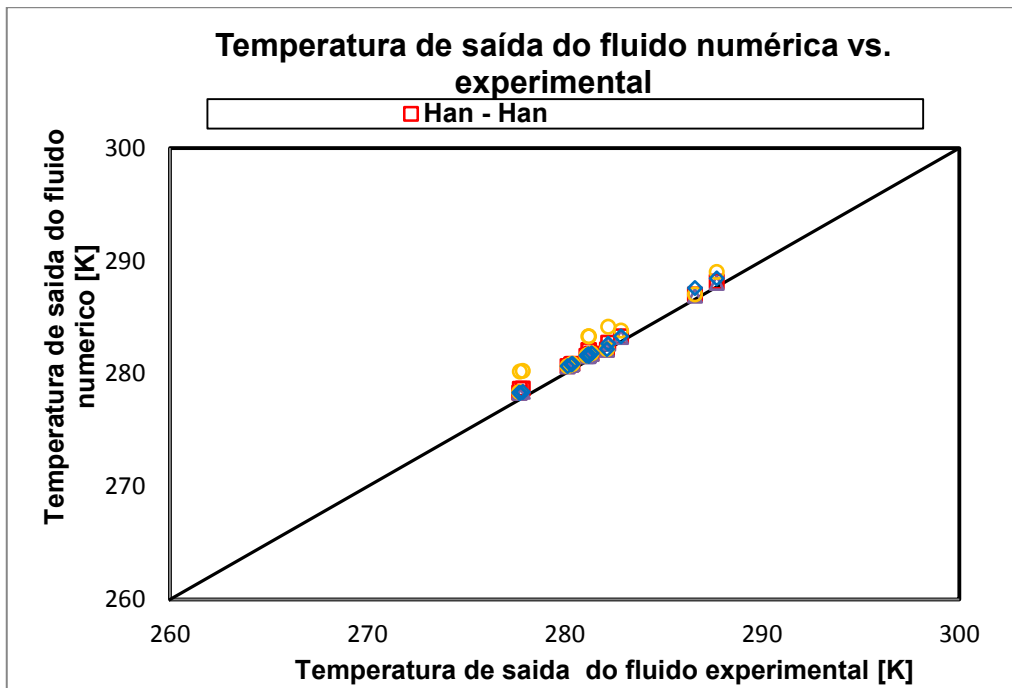


Figura 56 Comparação das temperaturas de saída numérica e experimental do fluido secundário no evaporador

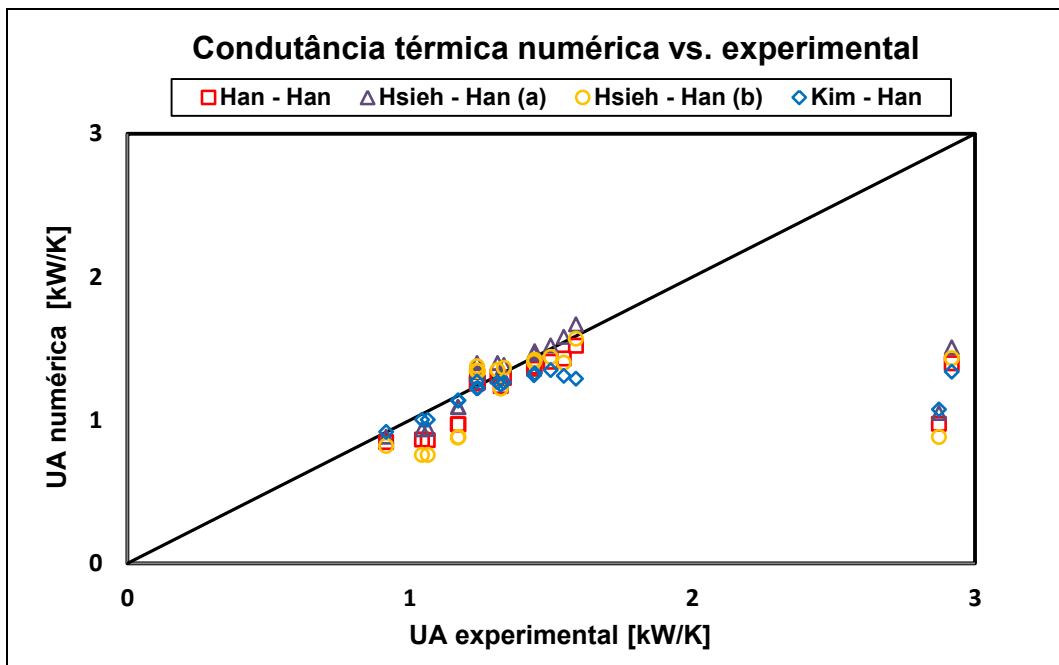


Figura 57 Comparação das condutâncias no evaporador

A.4
Resultados da simulação do evaporador com o refrigerante R290

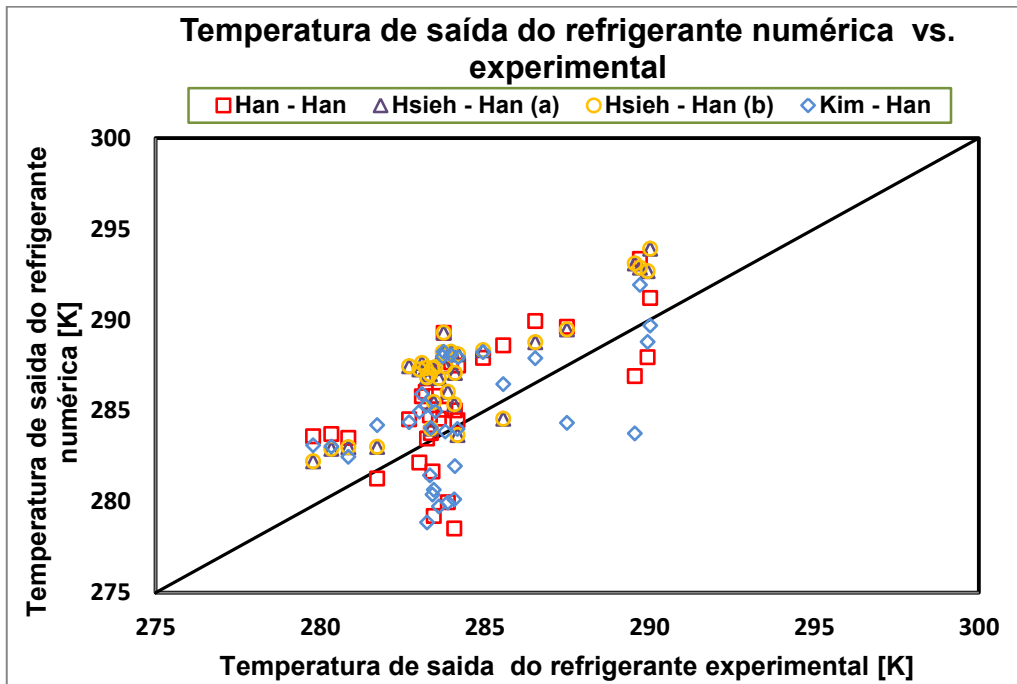


Figura 58 Comparação das temperaturas de saída numérica e experimental do refrigerante.

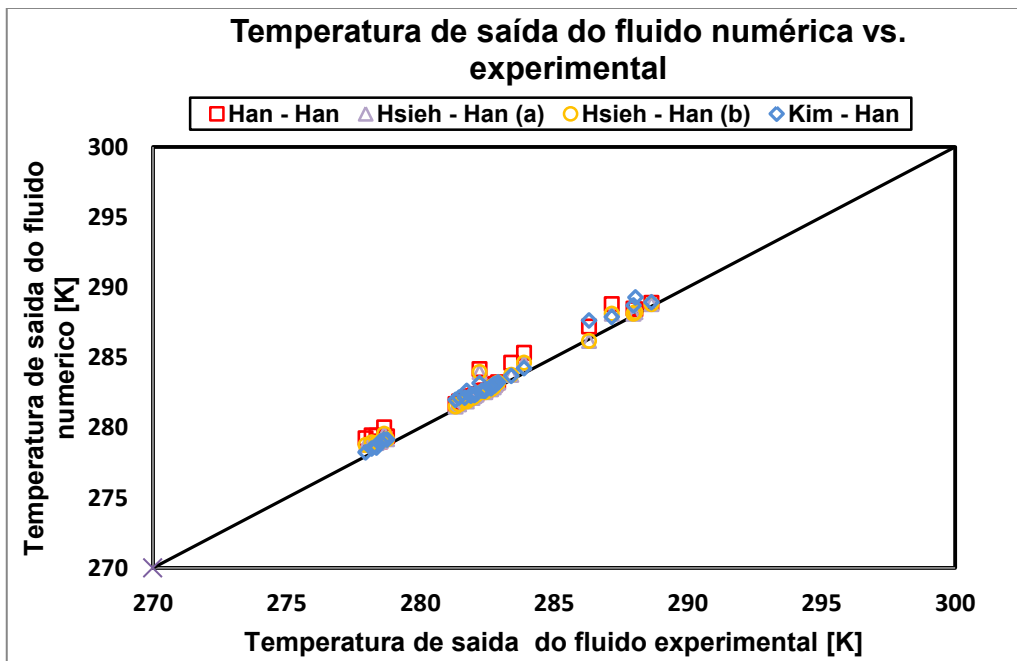


Figura 59 Comparação das temperaturas de saída numérica e experimental do fluido secundário.

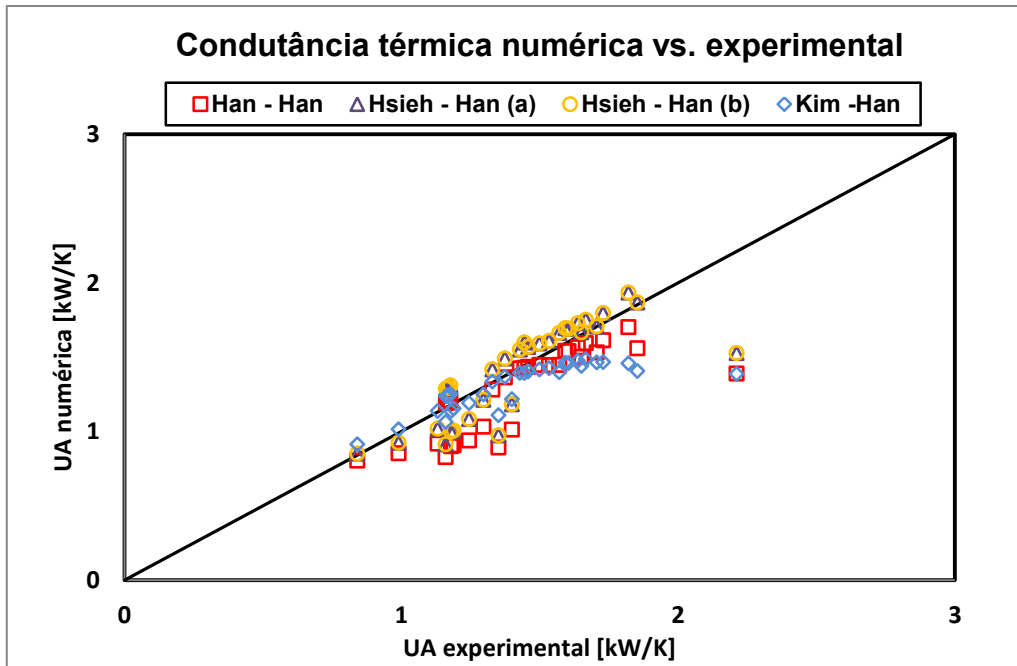


Figura 60 Comparação das condutâncias numérica e experimental no evaporador.