LETTER TO THE EDITOR

REPLY TO "COMMENTS ON 'SUBCOOLED WATER FLOW BOILING EXPERIMENTS UNDER UNIFORM HIGH HEAT FLUX CONDITIONS'"

It is encouraging that Professor Weisman has achieved favorable agreement between my previous experimental results and his previously developed subcooled critical heat flux (CHF) theoretically based correlation.[1] I have enumerated a few points that will hopefully make his technical letter quickly digested by the reader:

1. The units given in Fig. 1 should be consistent SI units.

2. The following flow specification parameters as well as any *other assumed parameters* used in the theoretical predictions should be included in Fig. 1 or in the text: (a) channel diameter, (b) channel L/D, and (c) inlet fluid temperature, etc.

3. The author should superimpose his predictions on Fig. 3 or 4 of Boyd's paper[2] *or* note the exit subcooling used for the predictions for each data point.

4. The author should note the obvious difference in the slope of the predictions and the data. This may indicate a slight difference in the phenomenon actually controlling CHF and that used in the theoretical model.

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REFERENCES

1. J. WEISMAN, "Comments on 'Subcooled Water Flow Boiling Experiments Under Uniform High Heat Flux Conditions,'" *Fusion Technol.*, **14**, 1418 (1988).

2. R. D. BOYD, "Subcooled Water Flow Boiling Experiments Under Uniform High Heat Flux Conditions," *Fusion Technol.*, **13**, 131 (1988).