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Transition from laminar to turbulent flow in liquid filled microtubes

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Figure 3b, inadvertently left out of the article published earlier in *Experiments in Fluids*, is presented below for completeness. In this figure (Fig. 1), measurements of the Darcy friction factor, f, are plotted versus Reynolds number, Re_D.

In order to make the data more accessible, the data from Figs. 3a and 3b are now available on-line at http://www.mne.psu.edu/sharp/data.html. Both pressure drop (Fig. 3a) and friction factor (Fig. 3b) data are provided versus Reynolds number in Microsoft Excel format (*.xls) and ASCII text format (*.dat). A file summarizing experimental conditions for these measurements is posted in Microsoft Excel (*.xls) format.

The *.dat format can be read directly into Tecplot, or a Tecplot layout package file (*.lpk) containing both the data and plot formatting information may be downloaded and opened with Tecplot 10.

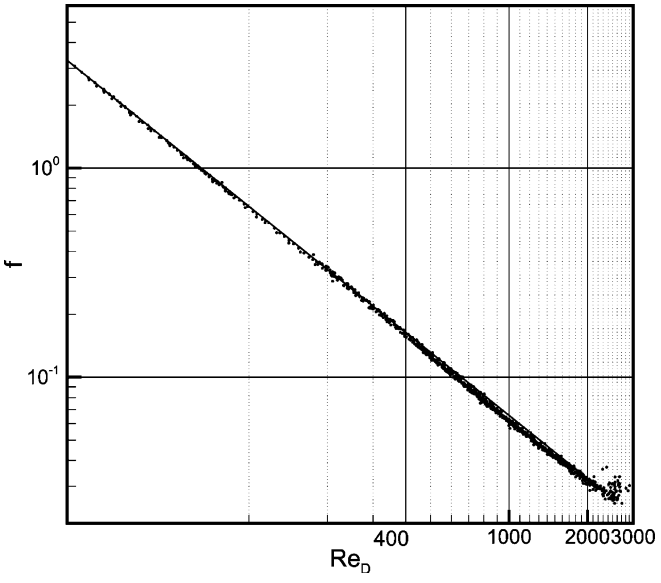

Fig. 1. Fig. 3b from K.V. Sharp and R.J. Adrian (2004), "Transition from laminar to turbulent flow in liquid filled microtubes," Exp. Fluids 36:741–747

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