Supplemental Material to the article "On Dissipation Rate of Ocean Waves due to White Capping"

We add as a supplementary material to this paper the measured dependencies of dissipation on steepness for every experiment, so anybody can try to choose any function and fit it using any ready package available.

Having said that, let us describe the format and the files in supplementary materials. All of them are plain text files which contain two columns: the first one is average steepness and the second one is measured value of dissipation rate γ. File `mu_gamma_3D.data` contains data points from 3D experiments. For every experiment we averaged three values obtained from time intervals $80-70T_0$, $90-80T_0$, and $100-90T_0$ as it is described in corresponding section of the paper. Both values of steepness and dissipation rate were averaged. File `mu_gamma_2D.data` contains data points from 2D experiments. One can see that for values of steepness $\mu < 0.065$ artificial viscosity affect the data as was discussed in details in the article. This is why we decided to glue together both sets and use all data points from 3D case together with data points for higher steepness from 2D case for purposes of fitting some functions to the dependence. This combined data set is given as a file `mu_gamma_2D_3D.data`. We hope that these initial results can be used by community in order to improve dissipation functions currently used in different wave forecasting models.