

"Probability distributions for extreme wave and crest heights"

by

Martin J. Sterndorff & John Grønbech,
DHI-Water & Environment.

Abstract for Rogue waves 2000 workshop, Brest, 29 - 30 November

"Short-term probability distributions for extreme individual wave and crest heights in stationary seastates have been established from numerical calculations, wave basin tests, and field measurements.

Good agreement has been found between the distributions based on the various sources. The field data have also been analysed in order to establish short-term distributions for whole storms. These distributions have been combined with the long-term distributions for extreme peak significant wave heights in order to establish estimates of extreme individual wave and crest heights with very low probability."