The Delft Hydraulics measurements have a linear scale n\_L=2 compared

to the Beji measurements on which the computations are based. To

compare the measurements withy the computations the surface levations

should be divided by 2 and the time should be divided by sqrt(2).

We consider the measuring conditions A, B and C, defined as follows

for an undisturbed depth of .40 m:

A: T = 2.02 s and H = 2 cm

B: T = 2.525 s and H = 2.9 cm

C: T = 1.01 s and H = 4.1 cm .

For measuring condition A the two files #bea01.asc and #bea02.asc are

given where the time window 10 to 70 s has been given with interval

dt = 0.05 s. This is in unscaled variables (i.e., belonging to a

depth of 0.80 m). Notice that "be" comes from "Beji", "a" comes from

condition A and "01" and "02" denotes the fact that the measurements

had to be repeated with another position of the free surface

elevation measuring probes (termed GHM in Dutch).

In scaled dimensions (i.e., belonging to the undisturbed depth 0.40

m) the columns in the files mean the following: in the first column

the time is given and in next six columns the free surface elevations

for the six probes is given.

bea01 1 2 3 4 5 6 7

time 2 m 5.7 m 10.5 m 13.5 m 15.7 m 19 m

bea02 1 2 3 4 5 6 7

time 4 m 5.7 m 12.5 m 14.5 m 17.3 m 21 m

The bottom geometry is in scaled dimensions (i.e., undisturbed depth

0.40 m) as follows. Here is given (x,z) while z=0 is in the still

water level.

(0,-.40), (6,-0.40), (12,-0.10), (14,-0.10), 17,-0.40), and further

constant depth, z=-0.40 m. This geometry is also given in the plot

bq-geom.hpg .

In unscaled dimensions (undisturbed depth -.80 m), a slightly

different configuration has been used:

(0,-0.86), (5.22,-0.86), (6.42,-0.80), (11.01,-0.80), (23.04,-0.20),

(27.04,-0.10), (33.07,-0.80), (40.61,-0.80), (41.82,-0.86), futher

constant depth, z = -0.86 m. A active wave absorber with mean

position was placed at 46.04 m.

The locations of the wave probes in the unscaled dimensions were:

3.04 m=2m, 7.04 m=4m, 9.44=5.7m m, 20.04**=10.5** m, 24.04**=12.5** m, 26.04**=13.5** m, 28.04**=14.5** m, 30.44**=15.7** m,

33.64**=17.3** m, 37.04**=19** m, 41.04**=21** m.

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