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| *Table-1:* Relationship between the drop height *H* of a 200g brass mass into water and the maximum amplitude *A* of ripples created by the impact measured at a constant distance | | | | | | | | | | | | |
| Drop height *H* (m)  ± 0.005 m instrument error | Maximum amplitude of ripples *A* (m) | | | | | | | | | | | |
| Trial 1 | | | Trial 2 | | | Trial 3 | | | Average amplitude  with aggregate error | | |
| ± 0.00005 m instrument error | | | | | | | | |
| Raw measurements | | Calculated amplitude | Raw measurements | | Calculated amplitude | Raw measurements | | Calculated amplitude |
| *h0* | *h* | *h0* | *h* | *h0* | *h* |
| 0.010 | 0.0402 | 0.0407 | 0.0005 | 0.0407 | 0.0410 | 0.0003 | 0.0396 | 0.0401 | 0.0005 | 0.0004 | ± | 0.0002 |
| 0.020 | 0.0403 | 0.0405 | 0.0002 | 0.0405 | 0.0411 | 0.0006 | 0.0402 | 0.0411 | 0.0009 | 0.0006 | ± | 0.0004 |
| 0.030 | 0.0401 | 0.0412 | 0.0011 | 0.0402 | 0.0408 | 0.0006 | 0.0408 | 0.0416 | 0.0008 | 0.0008 | ± | 0.0003 |
| 0.040 | 0.0398 | 0.0406 | 0.0008 | 0.0398 | 0.0407 | 0.0009 | 0.0395 | 0.0405 | 0.0010 | 0.0009 | ± | 0.0002 |
| 0.050 | 0.0396 | 0.0409 | 0.0013 | 0.0405 | 0.0416 | 0.0011 | 0.0403 | 0.0415 | 0.0012 | 0.0012 | ± | 0.0002 |
| 0.060 | 0.0402 | 0.0428 | 0.0026 | 0.0401 | 0.0421 | 0.0020 | 0.0406 | 0.0419 | 0.0013 | 0.0020 | ± | 0.0007 |
| 0.070 | 0.0408 | 0.0427 | 0.0019 | 0.0394 | 0.0417 | 0.0023 | 0.0405 | 0.0424 | 0.0019 | 0.0020 | ± | 0.0003 |
| 0.080 | 0.0397 | 0.0423 | 0.0026 | 0.0408 | 0.0435 | 0.0027 | 0.0406 | 0.0428 | 0.0022 | 0.0025 | ± | 0.0003 |
| 0.090 | 0.0401 | 0.0433 | 0.0032 | 0.0401 | 0.0439 | 0.0038 | 0.0402 | 0.0429 | 0.0027 | 0.0032 | ± | 0.0006 |
| 0.100 | 0.0405 | 0.0451 | 0.0046 | 0.0406 | 0.0441 | 0.0035 | 0.0399 | 0.0437 | 0.0038 | 0.0040 | ± | 0.0006 |
| 0.110 | 0.0394 | 0.0427 | 0.0033 | 0.0397 | 0.0443 | 0.0046 | 0.0393 | 0.0442 | 0.0049 | 0.0043 | ± | 0.0008 |
| 0.120 | 0.0408 | 0.0457 | 0.0049 | 0.0404 | 0.0451 | 0.0047 | 0.0406 | 0.0451 | 0.0045 | 0.0047 | ± | 0.0002 |
| 0.130 | 0.0397 | 0.0454 | 0.0057 | 0.0406 | 0.0453 | 0.0047 | 0.0403 | 0.0457 | 0.0054 | 0.0053 | ± | 0.0006 |
| 0.140 | 0.0403 | 0.0464 | 0.0061 | 0.0397 | 0.0454 | 0.0057 | 0.0404 | 0.0452 | 0.0048 | 0.0055 | ± | 0.0007 |
| 0.150 | 0.0391 | 0.0471 | 0.0080 | 0.0401 | 0.0468 | 0.0067 | 0.0401 | 0.0472 | 0.0071 | 0.0073 | ± | 0.0007 |
| 0.160 | 0.0400 | 0.0477 | 0.0077 | 0.0402 | 0.0481 | 0.0079 | 0.0397 | 0.0474 | 0.0077 | 0.0078 | ± | 0.0002 |
| 0.170 | 0.0391 | 0.0472 | 0.0081 | 0.0397 | 0.0484 | 0.0087 | 0.0392 | 0.0482 | 0.0090 | 0.0086 | ± | 0.0005 |
| 0.180 | 0.0394 | 0.0492 | 0.0098 | 0.0405 | 0.0506 | 0.0101 | 0.0407 | 0.0487 | 0.0080 | 0.009 | ± | 0.001 |
| 0.190 | 0.0393 | 0.0499 | 0.0106 | 0.0403 | 0.0512 | 0.0109 | 0.0403 | 0.0514 | 0.0111 | 0.0109 | ± | 0.0003 |
| 0.200 | 0.0402 | 0.0521 | 0.0119 | 0.0395 | 0.0506 | 0.0111 | 0.0398 | 0.0527 | 0.0129 | 0.0120 | ± | 0.0009 |

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| *Table-2:* Linearized relationship between the drop height *H* of a 200g brass mass into water and the maximum amplitude *A* of ripples created by the impact measured at a constant distance | | | | | |
| Drop height squared *H*2(m2)  ± propagated error | | | Maximum amplitude of ripples *A* (m)  ± aggregate error | | |
| 0.00010 | ± | 0.00005 | 0.0004 | ± | 0.0002 |
| 0.0004 | ± | 0.0001 | 0.0006 | ± | 0.0004 |
| 0.0009 | ± | 0.0002 | 0.0008 | ± | 0.0003 |
| 0.0016 | ± | 0.0002 | 0.0009 | ± | 0.0002 |
| 0.0025 | ± | 0.0003 | 0.0012 | ± | 0.0002 |
| 0.0036 | ± | 0.0003 | 0.0020 | ± | 0.0007 |
| 0.0049 | ± | 0.0004 | 0.0020 | ± | 0.0003 |
| 0.0064 | ± | 0.0004 | 0.0025 | ± | 0.0003 |
| 0.0081 | ± | 0.0005 | 0.0032 | ± | 0.0006 |
| 0.0100 | ± | 0.0005 | 0.0040 | ± | 0.0006 |
| 0.0121 | ± | 0.0006 | 0.0043 | ± | 0.0008 |
| 0.0144 | ± | 0.0006 | 0.0047 | ± | 0.0002 |
| 0.0169 | ± | 0.0007 | 0.0053 | ± | 0.0006 |
| 0.0196 | ± | 0.0007 | 0.0055 | ± | 0.0007 |
| 0.0225 | ± | 0.0008 | 0.0073 | ± | 0.0007 |
| 0.0256 | ± | 0.0008 | 0.0078 | ± | 0.0002 |
| 0.0289 | ± | 0.0009 | 0.0086 | ± | 0.0005 |
| 0.0324 | ± | 0.0009 | 0.009 | ± | 0.001 |
| 0.036 | ± | 0.001 | 0.0109 | ± | 0.0003 |
| 0.040 | ± | 0.001 | 0.0120 | ± | 0.0009 |