Reference Solution: PAC-MAN

Computational details

Computational technique	Analytical calculation (PAC-MAN model, [1])
Computed results	Shown in Table 1-4.
Code accessibility	Available as supplementary material in [1]
Programming details	Python module `scipy` was replaced by `mpmath` [2] to calculate higher orders of Bessel functions
Processing details	Truncation order was set to $N = 500$
Computational complexity	
Notes	
References	
	[1] H. Ziegelwanger, P. Reiter, The PAC-MAN model: Benchmark case for linear acoustics in computational physics, Journal of Computational Physics 346 (2017) 152–171. doi:10.1016/j.jcp.2017.06.018.
	[2] F. Johansson, others, Mpmath: A Python Library for Arbitrary-Precision Floating-Point Arithmetic (Version 0.18), 2013, http://mpmath.org/.
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Table 1: Complex sound pressure of the total sound field for the
surface vibration excitation pattern (source type 1).

Frequency [Hz]:		16	31.5	63	125	250	500	1000	2000	4000
r [m]	φ [°]	Sound pressure [Pa]								
2.0	0.0	1.272604e+01+2.705819e+00j	1.509229e+01-7.307537e+00j	-1.313330e+00-1.909702e+01j	-7.101635e+00-9.684322e-01j	1.226593e+01+1.511317e+00j	4.154548e+00+2.118797e+00j	-3.398745e+00+7.223156e+00j	-9.936165e-01-5.052740e+00j	-2.374109e+00+6.071988e-01j
2.0	5.0	1.272762e+01+2.725445e+00j	1.510410e+01-7.264834e+00j	-1.224331e+00-1.899736e+01j	-6.948581e+00-1.216666e+00j	1.157117e+01+1.731429e+00j	2.391142e+00+1.866115e+00j	-2.419138e+00-2.215334e+00j	2.948583e+00+3.283349e+00j	-1.522535e+00+1.296571e+00j
2.0	10.0	1.273237e+01+2.783875e+00j	1.513954e+01-7.137802e+00j	-9.588157e-01-1.870271e+01j	-6.503303e+00-1.951829e+00j	9.583273e+00+2.391312e+00j	-2.099820e+00+1.344287e+00j	-9.016315e-01-5.924450e+00j	-3.105639e+00+5.255077e-02j	1.772690e+00-1.937869e+00j
2.0	15.0	1.274031e+01+2.879707e+00j	1.519868e+01-6.929758e+00j	-5.211761e-01-1.822621e+01j	-5.806953e+00-3.146535e+00j	6.567021e+00+3.488318e+00j	-7.374619e+00+9.439542e-01j	1.126054e+00-6.804276e+00j	-2.936861e+00-3.523825e+00j	-3.787000e+00+3.205709e-01j
2.0	20.0	1.275148e+01+3.010482e+00j	1.528164e+01-6.646484e+00j	8.141189e-02-1.759022e+01j	-4.926250e+00-4.758749e+00j	2.891776e+00+5.014657e+00j	-1.143721e+01+6.097730e-01j	5.941412e+00-9.653172e-01j	5.779883e+00-3.443735e+00j	3.791493e+00-2.895306e+00j
2.0	25.0	1.276596e+01+3.172580e+00j	1.538857e+01-6.296403e+00j	8.391250e-01-1.682638e+01j	-3.950016e+00-6.735648e+00j	-1.047663e+00+6.954950e+00j	-1.332255e-01-3.645597e-01j	1.134569e+01+4.327575e+00j	7.769160e+00+5.707401e+00j	1.661505e+00+6.772763e+00j
2.0	30.0	1.278380e+01+3.361262e+00j	1.551962e+01-5.890465e+00j	1.739566e+00-1.597471e+01j	-2.983230e+00-9.016505e+00j	-4.897443e+00+9.285920e+00j	-1.354381e+00-2.857373e+00j	1.306227e+01+8.184784e+00j	5.137242e+00+1.290534e+01j	-9.439663e+00+1.117146e+01j
2.0	35.0	1.280509e+01+3.570922e+00j	1.567485e+01-5.441567e+00j	2.767750e+00-1.508126e+01j	-2.138215e+00-1.153349e+01j	-8.378711e+00+1.197707e+01j	-1.368019e+00-7.126101e+00j	1.327912e+01+1.414315e+01j	4.820918e+00+2.386925e+01j	-2.175727e+01+1.694127e+01j
2.0	40.0	1.282985e+01+3.795556e+00j	1.585409e+01-4.963524e+00j	3.906063e+00-1.419428e+01j	-1.523457e+00-1.421061e+01j	-1.128697e+01+1.498765e+01j	-1.539548e+01-1.234043e+01j	1.703956e+01+2.047772e+01j	7.947199e+00-2.909621e+01j	-2.068640e+01+2.762194e+01j
2.0	45.0	1.285809e+01+4.029314e+00j	1.605680e+01-4.469850e+00j	5.134347e+00-1.335999e+01j	-1.231665e+00-1.696241e+01j	-1.347152e+01+1.825487e+01j	-1.945622e+01-1.679930e+01j	2.366001e+01-2.237599e+01j	1.623541e+01-3.129285e+01j	-1.389695e+01-2.182182e+01j
2.0	50.0	1.288972e+01+4.266969e+00j	1.628197e+01-3.972708e+00j	6.430223e+00-1.261871e+01j	-1.329250e+00-1.969458e+01j	-1.481755e+01+2.167378e+01j	-2.523737e+01-1.871820e+01j	2.848683e+01+1.914532e+01j	1.602607e+01-2.190345e+01j	-1.865870e+01+2.672395e+01j
2.0	55.0	1.292459e+01+4.504193e+00j	1.652813e+01-3.482271e+00j	7.769707e+00-1.200249e+01j	-1.849108e+00-2.230757e+01j	-1.524812e+01+2.507823e+01j	-3.092877e+01-1.718225e+01j	2.856277e+01+1.417889e+01j	9.638525e+00+2.656389e+01j	-1.919159e+01+2.187423e+01j
2.0	60.0	1.296248e+01+4.737620e+00j	1.679335e+01-3.006528e+00j	9.128047e+00-1.153405e+01j	-2.787661e+00-2.470308e+01j	-1.474822e+01+2.823792e+01j	-3.438256e+01-1.279018e+01j	2.458165e+01+1.208083e+01j	1.600019e+01-2.739445e+01j	-1.598964e+01+2.137752e+01j
2.0	65.0	1.300310e+01+4.964768e+00j	1.707531e+01-2.551407e+00j	1.048067e+01-1.122696e+01j	-4.106166e+00-2.679194e+01j	-1.339772e+01+3.088300e+01j	-3.427606e+01-7.577268e+00j	2.151711e+01+1.502066e+01j	1.174052e+01-2.395081e+01j	-1.474165e+01+2.277374e+01j
2.0	70.0	1.304611e+01+5.183887e+00j	1.737140e+01-2.121056e+00j	1.180411e+01-1.108653e+01j	-5.735634e+00-2.850203e+01j	-1.139207e+01+3.275593e+01j	-3.099211e+01-4.071994e+00j	2.371848e+01+1.839909e+01j	1.429554e+01-2.810846e+01j	-1.467580e+01+2.369790e+01j
2.0	75.0	1.309112e+01+5.393794e+00j	1.767880e+01-1.718180e+00j	1.307687e+01-1.111092e+01j	-7.584373e+00-2.978451e+01j	-9.033420e+00+3.367690e+01j	-2.657468e+01-3.877159e+00j	2.708777e+01+1.661182e+01j	1.264034e+01-2.402274e+01j	-1.486295e+01+2.400580e+01j
2.0	80.0	1.313773e+01+5.593727e+00j	1.799455e+01-1.344342e+00j	1.428008e+01-1.129248e+01j	-9.547054e+00-3.061765e+01j	-6.686613e+00+3.360046e+01j	-2.359144e+01-6.664763e+00j	2.546702e+01+1.345766e+01j	1.399146e+01-2.775489e+01j	-1.506377e+01+2.395240e+01j
2.0	85.0	1.318551e+01+5.783226e+00j	1.831564e+01-1.000220e+00j	1.539800e+01-1.161892e+01j	-1.151422e+01-3.100780e+01j	-4.709793e+00+3.264219e+01j	-2.355430e+01-1.038093e+01j	2.261429e+01+1.504664e+01j	1.261277e+01-2.449979e+01j	-1.529516e+01+2.373915e+01j
2.0	90.0	1.323402e+01+5.962040e+00j	1.863905e+01-6.858156e-01j	1.641840e+01-1.207451e+01j	-1.338126e+01-3.098762e+01j	-3.379955e+00+3.106421e+01j	-2.601526e+01-1.262820e+01j	2.424922e+01+1.750518e+01j	1.414616e+01+2.719871e+01j	-1.559157e+01+2.351153e+01j
2.0	95.0	1.328281e+01+6.130066e+00j	1.896180e+01-4.006087e-01j	1.733271e+01-1.264102e+01j	-1.505612e+01-3.061187e+01j	-2.836292e+00+2.922219e+01j	-2.902364e+01-1.225157e+01j	2.630557e+01+1.584232e+01j	1.246844e+01-2.510285e+01j	-1.593601e+01+2.336704e+01j
2.0	100.0	1.333143e+01+6.287298e+00j	1.928100e+01-1.436862e-01j	1.813596e+01-1.329871e+01j	-1.646515e+01-2.995160e+01j	-3.058023e+00+2.748908e+01j	-3.058106e+01-9.963059e+00j	2.461577e+01+1.422347e+01j	1.420399e+01-2.659356e+01j	-1.627277e+01+2.334385e+01j
2.0	105.0	1.337945e+01+6.433795e+00j	1.959387e+01+8.616068e-02j	1.882674e+01-1.402708e+01j	-1.755678e+01-2.908727e+01j	-3.881775e+00+2.617715e+01j	-2.997159e+01-7.610736e+00j	2.338774e+01+1.585302e+01j	1.252121e+01-2.566089e+01j	-1.654679e+01+2.342573e+01j
2.0	110.0	1.342644e+01+6.569659e+00j	1.989778e+01+2.903564e-01j	1.940688e+01-1.480550e+01j	-1.830314e+01-2.810176e+01j	-5.051306e+00+2.547899e+01j	-2.802602e+01-6.754788e+00j	2.496122e+01+1.670221e+01j	1.405349e+01-2.612161e+01j	-1.673037e+01+2.356800e+01j
2.0	115.0	1.347198e+01+6.695017e+00j	2.019022e+01+4.704747e-01j	1.988110e+01-1.561385e+01j	-1.869961e+01-2.707383e+01j	-6.283617e+00+2.544046e+01j	-2.628320e+01-7.659702e+00j	2.550487e+01+1.528923e+01j	1.273742e+01-2.602650e+01j	-1.682535e+01+2.372510e+01j
2.0	120.0	1.351568e+01+6.810011e+00j	2.046890e+01+6.281824e-01j	2.025663e+01-1.643286e+01j	-1.876271e+01-2.607270e+01j	-7.332775e+00+2.596896e+01j	-2.582474e+01-9.353226e+00j	2.419921e+01+1.500943e+01j	1.380739e+01-2.586386e+01j	-1.685114e+01+2.386552e+01j
2.0	125.0	1.355715e+01+6.914787e+00j	2.073168e+01+7.651903e-01j	2.054268e+01-1.724452e+01j	-1.852687e+01-2.515399e+01j	-8.035805e+00+2.687047e+01j	-2.665678e+01-1.052713e+01j	2.412245e+01+1.609806e+01j	1.298329e+01-2.618818e+01j	-1.683207e+01+2.397382e+01j
2.0	130.0	1.359605e+01+7.009494e+00j	2.097661e+01+8.832105e-01j	2.074996e+01-1.803229e+01j	-1.804032e+01-2.435730e+01j	-8.332090e+00+2.790307e+01j	-2.794930e+01-1.049589e+01j	2.510485e+01+1.603461e+01j	1.358256e+01-2.577978e+01j	-1.678972e+01+2.404665e+01j
2.0	135.0	1.363203e+01+7.094273e+00j	2.120192e+01+9.839177e-01j	2.089017e+01-1.878126e+01j	-1.736074e+01-2.370547e+01j	-8.255877e+00+2.883274e+01j	-2.877571e+01-9.539059e+00j	2.491465e+01+1.528283e+01j	1.317533e+01-2.621449e+01j	-1.674009e+01+2.408772e+01j
2.0	140.0	1.366481e+01+7.169260e+00j	2.140606e+01+1.068915e+00j	2.097549e+01-1.947821e+01j	-1.655099e+01-2.320537e+01j	-7.908418e+00+2.947920e+01j	-2.873356e+01-8.514825e+00j	2.423375e+01+1.550369e+01j	1.342796e+01-2.579325e+01j	-1.669344e+01+2.410393e+01j
2.0	145.0	1.369411e+01+7.234582e+00j	2.158763e+01+1.139704e+00j	2.101808e+01-2.011164e+01j	-1.567514e+01-2.284987e+01j	-7.420246e+00+2.974427e+01j	-2.806331e+01-8.154428e+00j	2.454899e+01+1.596611e+01j	1.329261e+01-2.617598e+01j	-1.665518e+01+2.410292e+01j
2.0	150.0	1.371968e+01+7.290351e+00j	2.174544e+01+1.197657e+00j	2.102965e+01-2.067177e+01j	-1.479509e+01-2.262090e+01j	-6.914680e+00+2.962012e+01j	-2.732288e+01-8.580312e+00j	2.498524e+01+1.571574e+01j	1.334502e+01-2.584559e+01j	-1.662714e+01+2.409165e+01j
2.0	155.0	1.374131e+01+7.336667e+00j	2.187848e+01+1.243994e+00j	2.102102e+01-2.115041e+01j	-1.396780e+01-2.249309e+01j	-6.481384e+00+2.917923e+01j	-2.695736e+01-9.332457e+00j	2.462750e+01+1.547102e+01j	1.334573e+01-2.611771e+01j	-1.660877e+01+2.407577e+01j
2.0	160.0	1.375883e+01+7.373616e+00j	2.198590e+01+1.279762e+00j	2.100178e+01-2.154096e+01j	-1.324316e+01-2.243759e+01j	-6.164735e+00+2.855117e+01j	-2.707297e+01-9.793209e+00j	2.437572e+01+1.567265e+01j	1.331654e+01-2.590471e+01j	-1.659819e+01+2.405941e+01j
2.0	165.0	1.377210e+01+7.401266e+00j	2.206705e+01+1.305819e+00j	2.097997e+01-2.183826e+01j	-1.266250e+01-2.242593e+01j	-5.967212e+00+2.789198e+01j	-2.749001e+01-9.654914e+00j	2.473840e+01+1.577533e+01j	1.335486e+01-2.606053e+01j	-1.659301e+01+2.404535e+01j
2.0	170.0	1.378101e+01+7.419669e+00j	2.212142e+01+1.322822e+00j	2.096187e+01-2.203851e+01j	-1.225751e+01-2.243342e+01j	-5.864078e+00+2.735256e+01j	-2.793737e+01-9.103885e+00j	2.485199e+01+1.566525e+01j	1.332161e+01-2.595894e+01j	-1.659101e+01+2.403525e+01j
2.0	175.0	1.378548e+01+7.428862e+00j	2.214868e+01+1.331211e+00j	2.095173e+01-2.213926e+01j	-1.204961e+01-2.244195e+01j	-5.823211e+00+2.705071e+01j	-2.820889e+01-8.629584e+00j	2.449358e+01+1.563207e+01j	1.334052e+01-2.600897e+01j	-1.659046e+01+2.403001e+01j
2.0	180.0	1.378548e+01+7.428862e+00j	2.214868e+01+1.331211e+00j	2.095173e+01-2.213926e+01j	-1.204961e+01-2.244195e+01j	-5.823211e+00+2.705071e+01j	-2.820889e+01-8.629584e+00j	2.449358e+01+1.563207e+01j	1.334052e+01-2.600897e+01j	-1.659046e+01+2.403001e+01j
2.0	185.0	1.378101e+01+7.419669e+00j	2.212142e+01+1.322822e+00j	2.096187e+01-2.203851e+01j	-1.225751e+01-2.243342e+01j	-5.864078e+00+2.735256e+01j	-2.793737e+01-9.103885e+00j	2.485199e+01+1.566525e+01j	1.332161e+01-2.595894e+01j	-1.659101e+01+2.403525e+01j
2.0	190.0	1.377210e+01+7.401266e+00j	2.206705e+01+1.305819e+00j	2.097997e+01-2.183826e+01j	-1.266250e+01-2.242593e+01j	-5.967212e+00+2.789198e+01j	-2.749001e+01-9.654914e+00j	2.473840e+01+1.577533e+01j	1.335486e+01-2.606053e+01j	-1.659301e+01+2.404535e+01j
2.0	195.0	1.375883e+01+7.373616e+00j	2.198590e+01+1.279762e+00j	2.100178e+01-2.154096e+01j	-1.324316e+01-2.243759e+01j	-6.164735e+00+2.855117e+01j	-2.707297e+01-9.793209e+00j	2.437572e+01+1.567265e+01j	1.331654e+01-2.590471e+01j	-1.659819e+01+2.405941e+01j
2.0	200.0	1.374131e+01+7.336667e+00j	2.187848e+01+1.243994e+00j	2.102102e+01-2.115041e+01j	-1.396780e+01-2.249309e+01j	-6.481384e+00+2.917923e+01j	-2.695736e+01-9.332457e+00j	2.462750e+01+1.547102e+01j	1.334573e+01-2.611771e+01j	-1.660877e+01+2.407577e+01j
2.0	205.0	1.371968e+01+7.290351e+00j	2.174544e+01+1.197657e+00j	2.102965e+01-2.067177e+01j	-1.479509e+01-2.262090e+01j	-6.914680e+00+2.962012e+01j	-2.732288e+01-8.580312e+00j	2.498524e+01+1.571574e+01j	1.334502e+01-2.584559e+01j	-1.662714e+01+2.409165e+01j
2.0	210.0	1.369411e+01+7.234582e+00j	2.158763e+01+1.139704e+00j	2.101808e+01-2.011164e+01j	-1.567514e+01-2.284987e+01j	-7.420246e+00+2.974427e+01j	-2.806331e+01-8.154428e+00j	2.454899e+01+1.596611e+01j	1.329261e+01-2.617598e+01j	-1.665518e+01+2.410292e+01j
2.0	215.0	1.366481e+01+7.169260e+00j	2.140606e+01+1.068915e+00j	2.097549e+01-1.947821e+01j	-1.655099e+01-2.320537e+01j	-7.908418e+00+2.947920e+01j	-2.873356e+01-8.514825e+00j	2.423375e+01+1.550369e+01j	1.342796e+01-2.579325e+01j	-1.669344e+01+2.410393e+01j
2.0	220.0	1.363203e+01+7.094273e+00j	2.120192e+01+9.839177e-01j	2.089017e+01-1.878126e+01j	-1.736074e+01-2.370547e+01j	-8.255877e+00+2.883274e+01j	-2.877571e+01-9.539059e+00j	2.491465e+01+1.528283e+01j	1.317533e+01-2.621449e+01j	-1.674009e+01+2.408772e+01j
2.0	225.0	1.359605e+01+7.009494e+00j	2.097661e+01+8.832105e-01j	2.074996e+01-1.803229e+01j	-1.804032e+01-2.435730e+01j	-8.332090e+00+2.790307e+01j	-2.794930e+01-1.049589e+01j	2.510485e+01+1.603461e+01j	1.358256e+01-2.577978e+01j	-1.678972e+01+2.404665e+01j
2.0	230.0	1.355715e+01+6.914787e+00j	2.073168e+01+7.651903e-01j	2.054268e+01-1.724452e+01j	-1.852687e+01-2.515399e+01j	-8.035805e+00+2.687047e+01j	-2.665678e+01-1.052713e+01j	2.412245e+01+1.609806e+01j	1.298329e+01-2.618818e+01j	-1.683207e+01+2.397382e+01j

Frequency [Hz]:		16	31.5	63	125	250	500	1000	2000	4000
r [m]	φ [°]					Sound pressure [Pa]				
2.0	235.0	1.351568e+01+6.810011e+00j	2.046890e+01+6.281824e-01j	2.025663e+01-1.643286e+01j	-1.876271e+01-2.607270e+01j	-7.332775e+00+2.596896e+01j	-2.582474e+01-9.353226e+00j	2.419921e+01+1.500943e+01j	1.380739e+01+2.586386e+01j	-1.685114e+01+2.386552e+01j
2.0	240.0	1.347198e+01+6.695017e+00j	2.019022e+01+4.704747e-01j	1.988110e+01-1.561385e+01j	-1.869961e+01-2.707383e+01j	-6.283617e+00+2.544046e+01j	-2.628320e+01-7.659702e+00j	2.550487e+01+1.528923e+01j	1.273742e+01+2.602650e+01j	-1.682535e+01+2.372510e+01j
2.0	245.0	1.342644e+01+6.569659e+00j	1.989778e+01+2.903564e-01j	1.940688e+01-1.480550e+01j	-1.830314e+01-2.810176e+01j	-5.051306e+00+2.547899e+01j	-2.802602e+01-6.754788e+00j	2.496122e+01+1.670221e+01j	1.405349e+01+2.612161e+01j	-1.673037e+01+2.356800e+01j
2.0	250.0	1.337945e+01+6.433795e+00j	1.959387e+01+8.616068e-02j	1.882674e+01-1.402708e+01j	-1.755678e+01-2.908727e+01j	-3.881775e+00+2.617715e+01j	-2.997159e+01-7.610736e+00j	2.338774e+01+1.585302e+01j	1.252121e+01+2.566089e+01j	-1.654679e+01+2.342573e+01j
2.0	255.0	1.333143e+01+6.287298e+00j	1.928100e+01-1.436862e-01j	1.813596e+01-1.329871e+01j	-1.646515e+01-2.995160e+01j	-3.058023e+00+2.748908e+01j	-3.058106e+01-9.963059e+00j	2.461577e+01+1.422347e+01j	1.420399e+01+2.659356e+01j	-1.627277e+01+2.334385e+01j
2.0	260.0	1.328281e+01+6.130066e+00j	1.896180e+01-4.006087e-01j	1.733271e+01-1.264102e+01j	-1.505612e+01-3.061187e+01j	-2.836292e+00+2.922219e+01j	-2.902364e+01-1.225157e+01j	2.630557e+01+1.584232e+01j	1.246844e+01+2.510285e+01j	-1.593601e+01+2.336704e+01j
2.0	265.0	1.323402e+01+5.962040e+00j	1.863905e+01-6.858156e-01j	1.641840e+01-1.207451e+01j	-1.338126e+01-3.098762e+01j	-3.379955e+00+3.106421e+01j	-2.601526e+01-1.262820e+01j	2.424922e+01+1.750518e+01j	1.414616e+01+2.719871e+01j	-1.559157e+01+2.351153e+01j
2.0	270.0	1.318551e+01+5.783226e+00j	1.831564e+01-1.000220e+00j	1.539800e+01-1.161892e+01j	-1.151422e+01-3.100780e+01j	-4.709793e+00+3.264219e+01j	-2.355430e+01-1.038093e+01j	2.261429e+01+1.504664e+01j	1.261277e+01+2.449979e+01j	-1.529516e+01+2.373915e+01j
2.0	275.0	1.313773e+01+5.593727e+00j	1.799455e+01-1.344342e+00j	1.428008e+01-1.129248e+01j	-9.547054e+00-3.061765e+01j	-6.686613e+00+3.360046e+01j	-2.359144e+01-6.664763e+00j	2.546702e+01+1.345766e+01j	1.399146e+01+2.775489e+01j	-1.506377e+01+2.395240e+01j
2.0	280.0	1.309112e+01+5.393794e+00j	1.767880e+01-1.718180e+00j	1.307687e+01-1.111092e+01j	-7.584373e+00-2.978451e+01j	-9.033420e+00+3.367690e+01j	-2.657468e+01-3.877159e+00j	2.708777e+01+1.661182e+01j	1.264034e+01+2.402274e+01j	-1.486295e+01+2.400580e+01j
2.0	285.0	1.304611e+01+5.183887e+00j	1.737140e+01-2.121056e+00j	1.180411e+01-1.108653e+01j	-5.735634e+00-2.850203e+01j	-1.139207e+01+3.275593e+01j	-3.099211e+01-4.071994e+00j	2.371848e+01+1.839909e+01j	1.429554e+01+2.810846e+01j	-1.467580e+01+2.369790e+01j
2.0	290.0	1.300310e+01+4.964768e+00j	1.707531e+01-2.551407e+00j	1.048067e+01-1.122696e+01j	-4.106166e+00-2.679194e+01j	-1.339772e+01+3.088300e+01j	-3.427606e+01-7.577268e+00j	2.151711e+01+1.502066e+01j	1.174052e+01+2.395081e+01j	-1.474165e+01+2.277374e+01j
2.0	295.0	1.296248e+01+4.737620e+00j	1.679335e+01-3.006528e+00j	9.128047e+00-1.153405e+01j	-2.787661e+00-2.470308e+01j	-1.474822e+01+2.823792e+01j	-3.438256e+01-1.279018e+01j	2.458165e+01+1.208083e+01j	1.600019e+01+2.739445e+01j	-1.598964e+01+2.137752e+01j
2.0	300.0	1.292459e+01+4.504193e+00j	1.652813e+01-3.482271e+00j	7.769707e+00-1.200249e+01j	-1.849108e+00-2.230757e+01j	-1.524812e+01+2.507823e+01j	-3.092877e+01-1.718225e+01j	2.856277e+01+1.417889e+01j	9.638525e+00+2.656389e+01j	-1.919159e+01+2.187423e+01j
2.0	305.0	1.288972e+01+4.266969e+00j	1.628197e+01-3.972708e+00j	6.430223e+00-1.261871e+01j	-1.329250e+00-1.969458e+01j	-1.481755e+01+2.167378e+01j	-2.523737e+01-1.871820e+01j	2.848683e+01+1.914532e+01j	1.602607e+01+2.190345e+01j	-1.865870e+01+2.672395e+01j
2.0	310.0	1.285809e+01+4.029314e+00j	1.605680e+01-4.469850e+00j	5.134347e+00-1.335999e+01j	-1.231665e+00-1.696241e+01j	-1.347152e+01+1.825487e+01j	-1.945622e+01-1.679930e+01j	2.366001e+01+2.237599e+01j	1.623541e+01+3.129285e+01j	-1.389695e+01+2.182182e+01j
2.0	315.0	1.282985e+01+3.795556e+00j	1.585409e+01-4.963524e+00j	3.906063e+00-1.419428e+01j	-1.523457e+00-1.421061e+01j	-1.128697e+01+1.498765e+01j	-1.539548e+01-1.234043e+01j	1.703956e+01+2.047772e+01j	7.947199e+00+2.909621e+01j	-2.068640e+01+2.762194e+01j
2.0	320.0	1.280509e+01+3.570922e+00j	1.567485e+01-5.441567e+00j	2.767750e+00-1.508126e+01j	-2.138215e+00-1.153349e+01j	-8.378711e+00+1.197707e+01j	-1.368019e+01-7.126101e+00j	1.327912e+01+1.414315e+01j	4.820918e+00+2.386925e+01j	-2.175727e+01+1.694127e+01j
2.0	325.0	1.278380e+01+3.361262e+00j	1.551962e+01-5.890465e+00j	1.739566e+00-1.597471e+01j	-2.983230e+00-9.016505e+00j	-4.897443e+00+9.285920e+00j	-1.354381e+01-2.857373e+00j	1.306227e+01+8.184784e+00j	5.137242e+00+1.290534e+01j	-9.439663e+00+1.117146e+01j
2.0	330.0	1.276596e+01+3.172580e+00j	1.538857e+01-6.296403e+00j	8.391250e-01-1.682638e+01j	-3.950016e+00-6.735648e+00j	-1.047663e+00+6.954950e+00j	-1.332255e+01-3.645597e-01j	1.134569e+01+4.327575e+00j	7.769160e+00+5.707401e+00j	1.661505e+00+6.772763e+00j
2.0	335.0	1.275148e+01+3.010482e+00j	1.528164e+01-6.646484e+00j	8.141189e-02-1.759022e+01j	-4.926250e+00-4.758749e+00j	2.891776e+00+5.014657e+00j	-1.143721e+01+6.097730e-01j	5.941412e+00-9.653172e-01j	5.779883e+00-3.443735e+00j	3.791493e+00-2.895306e+00j
2.0	340.0	1.274031e+01+2.879707e+00j	1.519868e+01-6.929758e+00j	-5.211761e-01-1.822621e+01j	-5.806953e+00-3.146535e+00j	6.567021e+00+3.488318e+00j	-7.374619e+00+9.439542e-01j	1.126054e+00-6.804276e+00j	-2.936861e+00-3.523825e+00j	-3.787000e+00+3.205709e-01j
2.0	345.0	1.273237e+01+2.783875e+00j	1.513954e+01-7.137802e+00j	-9.588157e-01-1.870271e+01j	-6.503303e+00-1.951829e+00j	9.583273e+00+2.391312e+00j	-2.099820e+00+1.344287e+00j	-9.016315e-01-5.924450e+00j	-3.105639e+00+5.255077e-02j	1.772690e+00-1.937869e+00j
2.0	350.0	1.272762e+01+2.725445e+00j	1.510410e+01-7.264834e+00j	-1.224331e+00-1.899736e+01j	-6.948581e+00-1.216666e+00j	1.157117e+01+1.731429e+00j	2.391142e+00+1.866115e+00j	-2.419138e+00+2.215334e+00j	2.948583e+00+3.283349e+00j	-1.522535e+00+1.296571e+00j
2.0	355.0	1.272604e+01+2.705819e+00j	1.509229e+01-7.307537e+00j	-1.313330e+00-1.909702e+01j	-7.101635e+00-9.684322e-01j	1.226593e+01+1.511317e+00j	4.154548e+00+2.118797e+00j	-3.398745e+00+7.223156e-01j	-9.936165e-01-5.052740e+00j	-2.374109e+00+6.071988e-01j

Table 2: Complex sound pressure of the total sound field for the
line source excitation pattern (source type 2).

Frequency [Hz]:		16	31.5	63	125	250	500	1000	2000	4000
r [m]	φ [°]					Sound pressure [Pa]				
2.0	0.0	9.118121e-01+1.196997e-01j	5.347875e-01-6.160154e-01j	-4.361405e-01+3.121490e-02j	3.888450e-01+1.725525e-01j	2.622340e-01-8.017010e-02j	-2.743793e-04-1.636007e-01j	-8.320978e-02-6.197367e-02j	4.732139e-02-7.772086e-03j	-1.244013e-03-7.688378e-02j
2.0	5.0	9.355041e-01+1.693681e-01j	5.948493e-01-5.916996e-01j	-3.950800e-01-4.467871e-02j	3.383972e-01+2.725786e-01j	2.255596e-01+1.113527e-01j	8.443142e-02+4.308661e-02j	1.609372e-01-2.006189e-02j	6.263412e-02-6.984674e-02j	-4.579146e-03-2.825101e-02j
2.0	10.0	9.567860e-01+2.190349e-01j	6.509240e-01-5.618802e-01j	-3.405818e-01-1.138658e-01j	2.561793e-01+3.400889e-01j	8.900985e-02+2.352892e-01j	-9.160691e-02+1.459900e-01j	-8.619768e-02-9.555516e-03j	6.894447e-02-7.739043e-02j	-5.391502e-02-5.147475e-02j
2.0	15.0	9.754890e-01+2.676737e-01j	7.020029e-01-5.279749e-01j	-2.768354e-01-1.739817e-01j	1.575781e-01+3.671397e-01j	-7.115140e-02-2.493805e-01j	-1.788630e-01-7.777635e-04j	9.383456e-02-2.668740e-02j	-2.063851e-03-6.668792e-02j	-1.756173e-02+6.823514e-02j
2.0	20.0	9.914530e-01+3.139054e-01j	7.471003e-01-4.918965e-01j	-2.089727e-01-2.238759e-01j	5.877755e-02+3.546483e-01j	-1.835617e-01+1.742041e-01j	-2.640297e-02-1.227761e-01j	-5.973896e-02+1.807796e-01j	-1.178046e-01+2.254579e-02j	3.049451e-02-6.873777e-02j
2.0	25.0	1.004527e+00+3.559725e-01j	7.852821e-01-4.560419e-01j	-1.426614e-01-2.637445e-01j	-2.734468e-02+3.113500e-01j	-2.203599e-01+6.379063e-02j	1.549394e-01-6.109916e-02j	-6.455171e-02-6.197461e-02j	2.135739e-02+5.476161e-02j	3.033102e-02+4.762470e-02j
2.0	30.0	1.014572e+00+3.917923e-01j	8.157001e-01-4.231845e-01j	-8.360584e-02-2.950094e-01j	-9.374175e-02+2.508038e-01j	-1.980710e-01-3.435912e-02j	1.940983e-01+7.239533e-02j	9.353392e-02-7.412313e-02j	-4.412178e-02-1.177661e-01j	-2.882836e-02+6.645749e-02j
2.0	35.0	1.021464e+00+4.191378e-01j	8.376279e-01-3.962196e-01j	-3.700397e-02-3.198854e-01j	-1.393258e-01+1.876407e-01j	-1.531666e-01-9.961544e-02j	1.202761e-01+1.557833e-01j	-1.031253e-02+6.626582e-02j	1.058809e-01+3.624598e-02j	2.186942e-02+6.604579e-02j
2.0	40.0	1.025103e+00+4.359678e-01j	8.504982e-01-3.777490e-01j	-7.022017e-03-3.406615e-01j	-1.668842e-01+1.343224e-01j	-1.179046e-01-1.335554e-01j	2.713416e-02+1.848896e-01j	-1.270038e-01-1.511945e-01j	-9.844665e-02-3.282177e-02j	-4.515863e-03-5.372691e-02j
2.0	45.0	1.025416e+00+4.408466e-01j	8.539370e-01-3.695770e-01j	3.642939e-03-3.588572e-01j	-1.799109e-01+9.912023e-02j	-1.101707e-01-1.440821e-01j	-2.570143e-02+2.036196e-01j	-1.064476e-01+1.814202e-01j	-7.841735e-02-2.776550e-02j	-6.752791e-03-2.395927e-01j
2.0	50.0	1.022370e+00+4.333014e-01j	8.477891e-01-3.722934e-01j	-5.950777e-03-3.745530e-01j	-1.799259e-01+8.523242e-02j	-1.338128e-01-1.327808e-01j	-1.213550e-02+2.257699e-01j	-1.646110e-02+1.602848e-01j	-2.505451e-02+8.245056e-03j	-9.696122e-02-2.873750e-02j
2.0	55.0	1.015966e+00+4.139429e-01j	8.321309e-01-3.851362e-01j	-3.489616e-02-3.861995e-01j	-1.655734e-01+9.056115e-02j	-1.799300e-01-9.167399e-02j	6.427121e-02+2.156533e-01j	7.024281e-02+7.379644e-02j	6.165075e-02+4.500761e-03j	5.256522e-02+2.372578e-02j
2.0	60.0	1.006252e+00+3.842862e-01j	8.072707e-01-4.062036e-01j	-8.054850e-02-3.910110e-01j	-1.339101e-01+1.079454e-01j	-2.254195e-01-1.016954e-02j	1.437126e-01+1.253576e-01j	2.733861e-02-7.053259e-02j	-7.956779e-02-9.300288e-02j	7.133256e-02+6.618609e-02j
2.0	65.0	9.933113e-01+3.463734e-01j	7.737360e-01-4.329038e-01j	-1.388217e-01-3.857683e-01j	-8.322742e-02+1.261845e-01j	-2.345719e-01+1.098006e-01j	1.213604e-01-1.387085e-02j	-1.497238e-01+6.554009e-03j	3.734961e-02+8.777482e-03j	7.988230e-02-4.225036e-02j
2.0	70.0	9.772696e-01+3.023751e-01j	7.322510e-01-4.624434e-01j	-2.046270e-01-3.677039e-01j	-1.599664e-02+1.322961e-01j	-1.730351e-01-2.389087e-01j	-1.623055e-02-5.257647e-02j	3.520585e-02+1.865219e-01j	-4.996655e-02-1.139122e-01j	-8.599755e-02-7.868225e-03j
2.0	75.0	9.582866e-01+2.543024e-01j	6.837065e-01-4.922018e-01j	-2.723949e-01-3.351886e-01j	5.956742e-02+1.148958e-01j	-3.404053e-02+3.215707e-01j	-7.782097e-02+8.311395e-02j	9.100969e-02-7.197442e-02j	-6.501372e-02-2.650536e-02j	5.840252e-02-1.044312e-02j
2.0	80.0	9.365540e-01+2.038613e-01j	6.291244e-01-5.199471e-01j	-3.366160e-01-2.880932e-01j	1.302369e-01+6.780379e-02j	1.411762e-01+3.036576e-01j	8.220603e-02+1.709066e-01j	-3.408851e-02+8.356008e-02j	-1.967049e-02-7.329668e-02j	3.496780e-02+1.589952e-02j
2.0	85.0	9.122918e-01+1.524181e-01j	5.696184e-01-5.439190e-01j	-3.923376e-01-2.278288e-01j	1.807224e-01-7.427826e-03j	2.737941e-01+1.744279e-01j	2.201191e-01-4.272487e-03j	1.287486e-01-8.759206e-02j	-5.523818e-02-1.049275e-01j	1.318839e-02+8.274543e-02j
2.0	90.0	8.857440e-01+1.010274e-01j	5.063543e-01-5.628305e-01j	-4.355646e-01-1.571383e-01j	1.978428e-01-1.011247e-01j	2.935388e-01-1.147153e-02j	6.229520e-02-1.833683e-01j	-8.433704e-02+8.641045e-03j	-4.535910e-02-4.618240e-02j	-2.824266e-02+3.749795e-02j
2.0	95.0	8.571741e-01+5.048404e-02j	4.405107e-01-5.758282e-01j	-4.635294e-01-7.972898e-02j	1.744321e-01-1.975218e-01j	1.906244e-01-1.589032e-01j	-1.204331e-01-5.362414e-02j	5.117802e-02-9.128043e-02j	4.815068e-03-5.652244e-02j	2.257684e-02+5.106792e-02j
2.0	100.0	8.268613e-01+1.376392e-03j	3.732419e-01-5.824367e-01j	-4.748151e-01+1.675116e-04j	1.116353e-01-2.786112e-01j	2.980741e-01-1.930910e-01j	1.521421e-03+1.023749e-01j	-1.302337e-01+7.922890e-02j	-3.964719e-02-9.721899e-02j	4.970416e-03+7.316760e-02j
2.0	105.0	7.950955e-01-4.586668e-02j	3.056452e-01-5.825016e-01j	-4.693356e-01+7.823917e-02j	1.888057e-01-3.285852e-01j	-9.014615e-02-1.109299e-01j	1.334584e-01-4.083586e-02j	7.174300e-02-1.652332e-02j	-6.786335e-02-2.688518e-02j	9.313549e-03+2.934016e-02j
2.0	110.0	7.621739e-01-9.093907e-02j	2.387328e-01-5.761340e-01j	-4.481928e-01+1.504867e-01j	-8.835510e-03-3.375325e-01j	-1.026514e-01+1.830411e-02j	-3.263215e-02-1.746794e-01j	-2.014662e-02+8.896362e-02j	-2.049289e-02-4.980274e-02j	4.926202e-02+5.401008e-03j
2.0	115.0	7.283964e-01-1.336294e-01j	1.734094e-01-5.636595e-01j	-4.134437e-01+2.135313e-01j	-1.921798e-03-3.034094e-01j	-1.487736e-02+1.028801e-01j	-1.802782e-01-9.452439e-03j	8.590470e-02-1.099121e-01j	-8.501798e-02-4.773299e-02j	6.682011e-02+1.539381e-02j
2.0	120.0	6.940622e-01-1.738004e-01j	1.104569e-01-5.455719e-01j	-3.678122e-01+2.648181e-01j	-2.761875e-02-2.319451e-01j	1.038165e-01+8.965322e-02j	-3.829576e-02+1.450634e-01j	-8.326819e-02+4.099159e-02j	-3.843650e-02-1.175036e-02j	5.631065e-02+3.018625e-02j
2.0	125.0	6.594664e-01-2.113729e-01j	5.052366e-02-5.224912e-01j	-3.143860e-01+3.027131e-01j	-3.285835e-01-1.347830e-01j	1.725698e-01-7.465523e-03j	1.034588e-01+3.590263e-02j	2.702375e-02-5.081069e-02j	-5.790451e-02-6.444076e-02j	3.621892e-02+4.132375e-02j
2.0	130.0	6.248968e-01-2.463146e-01j	-5.878450e-03-4.951255e-01j	-2.563299e-01+3.265038e-01j	-3.438826e-01-2.659562e-02j	1.491490e-01-1.255637e-01j	1.121208e-02-7.936826e-02j	-5.737326e-02+9.103026e-02j	-3.949830e-02-2.595437e-02j	8.871494e-03+5.176084e-02j
2.0	135.0	5.906313e-01-2.786307e-01j	-5.837311e-02-4.642379e-01j	-1.966398e-01+3.363213e-01j	-3.230332e-01+7.796173e-02j	4.781657e-02-1.970213e-01j	-9.086585e-02+1.201360e-02j	1.072988e-01-4.597358e-02j	-4.359120e-03-8.246470e-02j	-3.377914e-02+4.569011e-02j
2.0	140.0	5.569357e-01-3.083566e-01j	-1.067131e-01-4.306170e-01j	-1.379546e-01+3.330069e-01j	-2.722483e-01+1.667388e-01j	-7.869210e-02-1.873918e-01j	-1.062472e-03+1.179628e-01j	-8.594074e-02-1.472077e-02j	1.913580e-02-3.543160e-02j	-5.785381e-02-8.003140e-03j
2.0	145.0	5.240617e-01-3.355518e-01j	-1.507703e-01-3.950523e-01j	-8.243061e-02+3.179489e-01j	-2.010770e-01+2.316030e-01j	-1.737021e-01-1.066241e-01j	1.267378e-01+4.037777e-02j	5.783880e-02+2.502765e-02j	6.979514e-02-2.501735e-02j	4.590888e-03-4.040335e-02j
2.0	150.0	4.922459e-01-3.602948e-01j	-1.905230e-01-3.583143e-01j	-3.167826e-02+2.929096e-01j	-1.202906e-01+2.688962e-01j	-2.042456e-01+5.201734e-03j	9.249092e-02-1.099661e-01j	-5.641501e-02-4.587544e-02j	2.165324e-02+6.192503e-02j	2.745591e-03+3.591484e-02j
2.0	155.0	4.617082e-01-3.826784e-01j	-2.260409e-01-3.211378e-01j	1.324717e-02+2.598606e-01j	-4.004600e-02+2.790129e-01j	-1.696728e-01+1.027045e-01j	-5.138159e-02-1.327764e-01j	1.084905e-02+8.618542e-02j	-3.521621e-02+2.846997e-02j	-3.399577e-02-3.672984e-02j
2.0	160.0	4.326515e-01-4.028059e-01j	-2.574689e-01-2.842105e-01j	5.181174e-02+2.208409e-01j	3.140292e-02+2.654196e-01j	-9.324382e-02+1.552098e-01j	-1.263884e-01-1.777067e-02j	7.085466e-02-5.939057e-02j	-3.789549e-02-4.307915e-02j	4.904160e-03+3.596171e-02j
2.0	165.0	4.052614e-01-4.207870e-01j	-2.850116e-01-2.481644e-01j	8.393825e-02+1.778416e-01j	8.837221e-02+2.334521e-01j	-6.443211e-03+1.545085e-01j	-7.036162e-02+9.409528e-02j	-7.837614e-02-3.292061e-02j	6.289609e-02-7.261562e-03j	1.794374e-02-3.596805e-02j
2.0	170.0	3.797059e-01-4.367348e-01j	-3.089164e-01-2.135711e-01j	1.099235e-01+1.327228e-01j	1.278638e-01+1.891688e-01j	6.457933e-02+1.114755e-01j	3.268770e-02+1.028621e-01j	-4.615754e-03+7.341018e-02j	-3.950971e-02+4.029744e-02j	-3.443032e-02-2.534661e-02j
2.0	175.0	3.561359e-01-4.507628e-01j	-3.294586e-01-1.809391e-01j	1.303475e-01+8.716041e-02j	1.492845e-01+1.384339e-01j	1.057881e-01+4.705547e-02j	8.202266e-02+2.903034e-02j	5.995020e-02-1.726097e-02j	1.191672e-02-4.324363e-02j	-3.136833e-02+8.504994e-03j
2.0	180.0	3.346852e-01-4.629817e-01j	-3.469277e-01-1.507145e-01j	1.459841e-01+4.261886e-02j	1.539388e-01+8.630240e-02j	1.153968e-01-1.692297e-02j	5.455493e-02-4.737800e-02j	-2.244622e-02-4.242411e-02j	3.728978e-03+3.380172e-02j	-1.385243e-02+1.685614e-02j
2.0	185.0	3.154714e-01-4.734975e-01j	-3.616139e-01-1.232819e-01j	1.577176e-01+3.449731e-04j	1.444473e-01+3.670122e-02j	1.000408e-01-6.399149e-02j	-4.792145e-03-7.100087e-02j	-3.191195e-02+2.823927e-02j	-9.846648e-03-2.359414e-02j	-3.390407e-03+1.418027e-02j
2.0	190.0	2.985966e-01-4.824092e-01j	-3.737977e-01-9.896839e-02j	1.664703e-01-3.862250e-02j	1.241924e-01-7.647266e-03j	6.992086e-02-8.568301e-02j	-4.228528e-02-4.104698e-02j	2.348424e-02+1.825895e-02j	1.121605e-02+1.575452e-02j	1.508267e-03+1.005155e-02j
2.0	195.0	2.841475e-01-4.898066e-01j	-3.837402e-01-7.804654e-02j	1.731417e-01-7.343343e-02j	9.685502e-02-4.513243e-02j	3.486955e-02-8.136184e-02j	-3.771294e-02+8.498399e-03j	1.597960e-02-2.501386e-02j	-1.057008e-02-1.014477e-02j	3.727535e-03+6.486211e-03j
2.0	200.0	2.721968e-01-4.957691e-01j	-3.916748e-01-6.073901e-02j	1.785597e-01-1.034017e-01j	6.605955e-02-7.506277e-02j	2.104852e-03-5.644215e-02j	-7.487605e-03+4.196459e-02j	-1.868501e-02-4.298895e-03j	9.066395e-03+6.091744e-03j	4.572003e-03+3.673058e-03j
2.0	205.0	2.628034e-01-5.003639e-01j	-3.978010e-01-4.722250e-02j	1.834429e-01-1.279793e-01j	3.512549e-02-9.743080e-02j	-2.440285e-02-1.998602e-02j	1.827381e-02+4.294298e-02j	-8.641025e-03+1.916386e-02j	-7.170053e-03-3.076654e-03j	4.616127e-03+1.617764e-03j
2.0	210.0	2.560132e-01-5.036452e-01j	-4.022792e-01-3.763169e-02j	1.883731e-01-1.467319e-01j	6.906141e-03-1.126755e-01j	-4.342306e-02+1.770512e-02j	2.113084e-02+1.732206e-02j	1.418108e-02-4.174252e-03j	5.106605e-03+7.588366e-04j	4.190095e-03+3.216778e-04j
2.0	215.0	2.518598e-01-5.056534e-01j	-4.052269e-01-3.206243e-02j	1.937749e-01-1.593189e-01j	-1.630782e-02-1.214671e-01j	-5.537557e-02+4.719282e-02j	5.089946e-03-1.573897e-02j	6.035185e-03-1.294000e-02j	-3.029136e-03+1.102349e-03j	3.509417e-03-2.512972e-04j
2.0	220.0	2.503642e-01-5.064139e-01j	-4.067159e-01-3.057444e-02j	1.999020e-01-1.654783e-01j	-3.284125e-02-1.245286e-01j	-6.114739e-02+6.154873e-02j	-1.108101e-02-3.631528e-02j	-1.138656e-02+9.810737e-03j	1.068944e-03-2.699958e-03j	2.693401e-03-1.929423e-04j
2.0	225.0	2.515361e-01-5.059374e-01j	-4.067708e-01-3.319288e-02j	2.068293e-01-1.650178e-01j	-4.166121e-02-1.224993e-01j	-6.117984e-02+5.746266e-02j	-1.144712e-02-3.340048e-02j	-6.190956e-03+6.319858e-03j	6.507733e-04+4.201426e-03j	1.770196e-03+3.520961e-04j
2.0	230.0	2.553730e-01-5.042194e-01j	-4.053682e-01-3.990920e-02j	2.144480e-01-1.578130e-01j	-4.238929e-02-1.158457e-01j	-5.505255e-02+3.575405e-02j	3.635202e-03-9.104941e-03j	1.097640e-02-1.374128e-02j	-2.009758e-03-5.754460e-03j	6.944499e-04+1.194548e-03j

Frequency [Hz]:	16	31.5	63	125	250	500	1000	2000	4000
r [m]	φ [°]				Sound pressure [Pa]				
2.0	235.0	2.618609e-01-5.012401e-01j	-4.024373e-01-5.068089e-02j	2.224657e-01-1.438123e-01j	-3.530633e-02-1.048211e-01j	-4.165401e-02+1.254532e-03j	1.817734e-02+2.272490e-02j	7.897801e-03+1.256945e-03j	2.884330e-03+7.489088e-03j	-6.218221e-04+2.107300e-03j
2.0	240.0	2.709739e-01-4.969651e-01j	-3.978609e-01-6.543023e-02j	2.304102e-01-1.230479e-01j	-2.135025e-02-8.947781e-02j	-1.989436e-02-3.793513e-02j	1.465494e-02+4.263396e-02j	-1.378111e-02+1.636885e-02j	-3.132552e-03-9.524013e-03j	-2.274954e-03+2.830983e-03j
2.0	245.0	2.826736e-01-4.913458e-01j	-3.914783e-01-8.404218e-02j	2.376380e-01-9.565435e-02j	-2.102383e-03-6.973509e-02j	1.021058e-02-7.177197e-02j	-9.224395e-03+3.518040e-02j	-9.961563e-03-1.095318e-02j	2.555497e-03+1.197946e-02j	-4.349297e-03+3.074229e-03j
2.0	250.0	2.969088e-01-4.843200e-01j	-3.830883e-01-1.063614e-01j	2.433491e-01-6.189184e-02j	2.024885e-02-4.550480e-02j	4.637122e-02-9.010410e-02j	-3.467778e-02-6.117738e-04j	2.133780e-02-1.715133e-02j	-7.999097e-04-1.497935e-02j	-6.930609e-03+2.473780e-03j
2.0	255.0	3.136152e-01-4.758133e-01j	-3.724542e-01-1.321887e-01j	2.466095e-01-2.217419e-02j	4.298469e-02-1.687105e-02j	8.316490e-02-8.489147e-02j	-3.409808e-02-4.526951e-02j	9.841976e-03+2.507687e-02j	-2.853951e-03+1.855746e-02j	-1.012407e-02+3.879036e-04j
2.0	260.0	3.327139e-01-4.657404e-01j	-3.593099e-01-1.612767e-01j	2.463830e-01+2.290030e-02j	6.299585e-02+1.568757e-02j	1.119616e-01-5.260935e-02j	3.970473e-03-6.463698e-02j	-3.610437e-02+1.219073e-02j	9.815263e-03-2.219362e-02j	-1.370111e-02-4.750780e-03j
2.0	265.0	3.541112e-01-4.540068e-01j	-3.433677e-01-1.933255e-01j	2.415739e-01+7.251790e-02j	7.701025e-02+5.105930e-02j	1.221275e-01+3.553072e-03j	5.522011e-02-3.188212e-02j	7.965119e-04-4.549047e-02j	-2.211982e-02+2.341415e-02j	-1.464794e-02-1.612408e-02j
2.0	270.0	3.776971e-01-4.405109e-01j	-3.243275e-01-2.279785e-01j	2.310835e-01+1.256218e-01j	8.192868e-02+8.728734e-02j	1.038475e-01+7.239011e-02j	6.833405e-02+4.207206e-02j	5.515907e-02+1.169029e-02j	3.989089e-02-1.541209e-02j	-7.530043e-04-3.253138e-02j
2.0	275.0	4.033445e-01-4.251467e-01j	-3.018883e-01-2.648182e-01j	2.138795e-01+1.808918e-01j	7.527284e-02+1.214468e-01j	5.238029e-02+1.352974e-01j	1.091264e-02+9.723801e-02j	-3.961276e-02+5.790028e-02j	-5.291687e-02-1.163943e-02j	3.621173e-02-2.234716e-02j
2.0	280.0	4.309078e-01-4.078067e-01j	-2.757615e-01-3.033632e-01j	1.890793e-01+2.367375e-01j	5.572283e-02+1.496859e-01j	-2.720431e-02+1.699113e-01j	-7.835346e-02+6.560088e-02j	-4.301298e-02-6.609028e-02j	3.348891e-02+5.162941e-02j	2.117840e-02+3.588893e-02j
2.0	285.0	4.602214e-01-3.883855e-01j	-2.456860e-01-3.430664e-01j	1.560444e-01+2.913087e-01j	2.367973e-02+1.675068e-01j	-1.171872e-01+1.572354e-01j	-1.007877e-01-4.556764e-02j	8.833057e-02-5.400059e-03j	2.897411e-02-5.208127e-02j	-3.700014e-02-1.494643e-02j
2.0	290.0	4.910982e-01-3.667843e-01j	-2.114457e-01-3.833145e-01j	1.144828e-01+3.425315e-01j	-1.825831e-02+1.703388e-01j	-1.890259e-01+9.101616e-02j	-6.670925e-03-1.209680e-01j	-4.985154e-02+7.125126e-02j	-4.921659e-02-2.586764e-02j	4.107276e-02+5.487512e-03j
2.0	295.0	5.233278e-01-3.429157e-01j	-1.728886e-01-4.234302e-01j	6.455119e-02+3.881721e-01j	-6.506030e-02+1.544024e-01j	-2.121191e-01-1.438395e-02j	1.030955e-01-5.320865e-02j	-9.238134e-03-8.023022e-02j	-3.978526e-02+4.648990e-02j	-3.579185e-02-2.401420e-02j
2.0	300.0	5.566751e-01-3.167091e-01j	-1.299468e-01-4.626770e-01j	6.948939e-03+4.259337e-01j	-1.094379e-01+1.177782e-01j	-1.684887e-01-1.233045e-01j	6.979897e-02+8.255885e-02j	4.284743e-02+6.780859e-02j	2.505035e-02+5.388705e-02j	2.204896e-03+4.279709e-02j
2.0	305.0	5.908788e-01-2.881166e-01j	-8.265681e-02-5.002670e-01j	-5.701021e-02+4.535845e-01j	-1.425734e-01+6.148783e-02j	-6.738031e-02-1.900239e-01j	-7.436601e-02+7.959010e-02j	-7.265501e-02-5.371367e-02j	5.969404e-02+1.772755e-02j	4.460485e-02-9.201967e-03j
2.0	310.0	6.256512e-01-2.571181e-01j	-3.117700e-02-5.353733e-01j	-1.253632e-01+4.691135e-01j	-1.554486e-01-9.700149e-03j	5.022375e-02-1.810435e-01j	-9.001330e-02-7.953873e-02j	9.578033e-02+1.850711e-02j	5.914243e-02-1.542048e-02j	5.089429e-03-4.646473e-02j
2.0	315.0	6.606806e-01-2.237240e-01j	2.420077e-02-5.671475e-01j	-1.955168e-01+4.709025e-01j	-1.406631e-01-8.707872e-02j	1.256450e-01-9.859925e-02j	8.858076e-02-1.262577e-01j	-8.347386e-02+1.051288e-02j	4.274932e-02-4.450878e-02j	-2.694524e-02-3.515002e-02j
2.0	320.0	6.956372e-01-1.879751e-01j	8.304878e-02-5.947428e-01j	-2.643364e-01+4.579001e-01j	-9.443696e-02-1.587163e-01j	1.137663e-01+1.090530e-02j	1.718344e-01+5.653481e-02j	7.961677e-02+5.840711e-03j	3.550684e-02-5.347765e-02j	-4.011924e-02-1.871353e-02j
2.0	325.0	7.301829e-01-1.499385e-01j	1.448131e-01-6.173440e-01j	-3.283132e-01+4.297772e-01j	-1.831032e-02-2.111998e-01j	1.566559e-02+7.611224e-02j	2.913098e-03+1.673419e-01j	-1.130925e-01+9.203872e-03j	2.838525e-02-6.923395e-02j	-4.998707e-02-1.553982e-02j
2.0	330.0	7.639852e-01-1.097011e-01j	2.088335e-01-6.342029e-01j	-3.838077e-01+3.870432e-01j	8.003012e-02-2.322453e-01j	-1.115622e-01+4.337173e-02j	-1.053599e-01+2.403140e-02j	8.018293e-02-1.985255e-02j	4.881114e-02-6.932858e-02j	-4.909936e-02-2.062704e-02j
2.0	335.0	7.967295e-01-6.736580e-02j	2.743673e-01-6.446778e-01j	-4.273491e-01+3.311038e-01j	1.872822e-01-2.136762e-01j	-1.828182e-01-8.230885e-02j	3.433375e-02-4.876200e-02j	-1.143980e-01-1.864489e-04j	5.388976e-02-6.178833e-02j	-3.803168e-02-3.889992e-02j
2.0	340.0	8.281285e-01-2.305702e-02j	3.406092e-01-6.482755e-01j	-4.559604e-01+2.642429e-01j	2.866096e-01-1.539932e-01j	-1.395331e-01-2.303294e-01j	7.282631e-02+1.231926e-01j	6.272692e-02+7.242108e-03j	7.276409e-02-5.233144e-02j	-1.832688e-02-5.609571e-02j
2.0	345.0	8.579248e-01+2.306279e-02j	4.067026e-01-6.446938e-01j	-4.674730e-01+1.895150e-01j	3.610052e-01-5.968256e-02j	5.942815e-03-3.046104e-01j	-1.478684e-01+1.593674e-01j	-1.509565e-01-2.849393e-02j	8.545245e-02-2.437375e-02j	4.323387e-03-5.052688e-02j
2.0	350.0	8.858886e-01+7.076245e-02j	4.717443e-01-6.338671e-01j	-4.608005e-01+1.105420e-01j	3.971752e-01+5.537835e-02j	1.724607e-01-2.474282e-01j	-2.171716e-01-8.000047e-02j	7.669446e-02-3.845120e-03j	7.299302e-02+3.447521e-03j	-2.118897e-03-4.115064e-02j
2.0	355.0	9.118121e-01+1.196997e-01j	5.347875e-01-6.160154e-01j	-4.361405e-01+3.121490e-02j	3.888450e-01+1.725525e-01j	2.622340e-01-8.017010e-02j	-2.743793e-04-1.636007e-01j	-8.320978e-02-6.197367e-02j	4.732139e-02-7.772086e-03j	-1.244013e-03-7.688378e-02j

Table 3: Complex sound pressure of the total sound field for the disk source excitation pattern (source type 3).

Frequency [Hz]:		16	31.5	63	125	250	500	1000	2000	4000
r [m]	φ [°]					Sound pressure [Pa]				
2.0	0.0	9.401182e-06-7.161348e-05j	-4.838154e-05-4.200194e-05j	2.451572e-06+3.425382e-05j	1.355136e-05-3.053782e-05j	-6.294896e-06-2.059041e-05j	-1.283571e-05+2.152714e-08j	-4.847038e-06+6.507940e-06j	-6.002461e-07-3.654679e-06j	-5.642624e-06+9.130012e-08j
2.0	5.0	1.330212e-05-7.347424e-05j	-4.647178e-05-4.671916e-05j	-3.508999e-06+3.102900e-05j	2.140688e-05-2.657592e-05j	8.743335e-06-1.771077e-05j	3.380472e-06-6.624286e-06j	-1.569066e-06-1.258710e-05j	-5.394335e-06-4.837297e-06j	-2.073387e-06+3.360709e-07j
2.0	10.0	1.720294e-05-7.514571e-05j	-4.412978e-05-5.112324e-05j	-8.942847e-06+2.674879e-05j	2.670877e-05-2.011896e-05j	1.847473e-05-6.988987e-06j	1.145402e-05+7.187257e-06j	-7.473488e-07+6.741628e-06j	-5.976942e-06-5.324651e-06j	-3.777815e-06+3.956910e-06j
2.0	15.0	2.102302e-05-7.661464e-05j	-4.146688e-05-5.513495e-05j	-1.366427e-05+2.174224e-05j	2.883320e-05-1.237534e-05j	1.958117e-05+5.586755e-06j	-6.102145e-08+1.403316e-05j	-2.087254e-06-7.338918e-06j	-5.150376e-06+1.593933e-07j	5.007887e-06+1.288883e-06j
2.0	20.0	2.465405e-05-7.786845e-05j	-3.863330e-05-5.867687e-05j	-1.758288e-05+1.641240e-05j	2.785219e-05-4.616076e-06j	1.367838e-05+1.441313e-05j	-9.632713e-06+2.071513e-06j	1.413899e-05+4.672259e-06j	1.741234e-06+9.098169e-06j	-5.044775e-06-2.238041e-06j
2.0	25.0	2.795799e-05-7.889530e-05j	-3.581730e-05-6.167566e-05j	-2.071410e-05+1.120441e-05j	2.445177e-05+2.147506e-06j	5.008793e-06+1.730249e-05j	-4.793693e-06-1.215617e-05j	-4.847111e-06+5.048669e-06j	4.229295e-06-1.649453e-06j	3.495253e-06-2.226042e-06j
2.0	30.0	3.077126e-05-7.968422e-05j	-3.323669e-05-6.406467e-05j	-2.316960e-05+6.566278e-06j	1.969680e-05+7.361978e-06j	-2.697853e-06+1.555238e-05j	5.679963e-06-1.522848e-05j	-5.797262e-07-7.315404e-06j	-9.095193e-06-3.407569e-06j	4.877422e-06+2.115760e-06j
2.0	35.0	3.291897e-05-8.022553e-05j	-3.111889e-05-6.578687e-05j	-2.512332e-05+2.906236e-06j	1.473630e-05+1.094191e-05j	-7.821730e-06+1.202653e-05j	1.222238e-05-9.436570e-06j	5.182732e-06+8.065557e-07j	2.799314e-06-8.177287e-06j	4.847206e-06-1.605032e-06j
2.0	40.0	3.424079e-05-8.051130e-05j	-2.966821e-05-6.679769e-05j	-2.675505e-05+5.514988e-07j	1.054896e-05-1.310619e-05j	-1.048667e-05+9.257785e-06j	1.450599e-05-2.128881e-06j	1.182511e-05+9.933122e-06j	-2.534859e-06+7.603135e-06j	-3.943104e-06+3.314264e-07j
2.0	45.0	3.462397e-05-8.053594e-05j	-2.902639e-05-6.706778e-05j	-2.818411e-05-2.861110e-07j	7.784375e-06+1.412924e-05j	-1.131322e-05+8.650525e-06j	1.597550e-05+2.016472e-06j	1.418910e-05+8.325400e-06j	2.144358e-06+6.056251e-06j	-1.758409e-06+4.955982e-07j
2.0	50.0	3.403137e-05-8.029664e-05j	-2.923973e-05-6.658492e-05j	-2.941684e-05+4.673652e-07j	6.693701e-06+1.413042e-05j	-1.042585e-05+1.050688e-05j	1.771336e-05+9.521224e-07j	1.253607e-05+1.287443e-06j	6.367740e-07+1.934985e-06j	-2.109091e-06+7.116140e-06j
2.0	55.0	3.251096e-05-7.979372e-05j	-3.024840e-05-6.535514e-05j	-3.033154e-05+2.740692e-06j	7.112190e-06+1.300325e-05j	-7.198173e-06+1.412797e-05j	1.691963e-05-5.042564e-06j	5.771712e-06-5.493777e-06j	3.475983e-06-4.761350e-06j	1.741273e-06-3.857846e-06j
2.0	60.0	3.018173e-05-7.903073e-05j	-3.190302e-05-6.340263e-05j	-3.070942e-05+6.326159e-06j	8.477454e-06+1.051658e-05j	-7.985044e-07+1.769977e-05j	9.835252e-06-1.127534e-05j	-5.516442e-06-2.138187e-06j	-7.182707e-06+6.145101e-06j	4.857504e-06-5.235211e-06j
2.0	65.0	2.720407e-05-7.801440e-05j	-3.400005e-05-6.076883e-05j	-3.029767e-05+1.090285e-05j	9.909862e-06+6.536238e-06j	8.621462e-06+1.841841e-05j	-1.088274e-06-9.521640e-06j	5.125972e-07+1.171008e-05j	6.778938e-07-2.884548e-06j	-3.100822e-06-5.862690e-06j
2.0	70.0	2.374846e-05-7.675450e-05j	-3.632007e-05-5.751062e-05j	-2.887892e-05+1.607110e-05j	1.038984e-05+1.256291e-05j	1.875893e-05+1.358659e-05j	-4.125023e-06+1.273410e-06j	1.458811e-05-2.753493e-06j	8.797558e-06+3.858967e-06j	-5.774617e-07+6.311499e-06j
2.0	75.0	1.997285e-05-7.526357e-05j	-3.865728e-05-5.369796e-05j	-2.632521e-05+2.139349e-05j	9.023301e-06-4.678108e-06j	2.524949e-05+2.672837e-06j	6.520920e-06+6.105645e-06j	-5.629209e-06-7.117981e-06j	2.047036e-06+5.021076e-06j	-7.664371e-07-4.286255e-06j
2.0	80.0	1.601121e-05-7.355670e-05j	-4.083638e-05-4.941111e-05j	-2.262641e-05+2.643732e-05j	5.324948e-06-1.022811e-05j	2.384297e-05-1.108505e-05j	1.340892e-05-6.449687e-06j	6.535337e-06+2.666105e-06j	-5.660777e-06+1.519172e-06j	1.166891e-06-2.566343e-06j
2.0	85.0	1.197087e-05-7.165115e-05j	-4.271912e-05-4.473754e-05j	-1.789334e-05+3.081361e-05j	-5.833419e-07-1.419297e-05j	1.369595e-05-2.149811e-05j	-3.352090e-07-1.727001e-05j	-6.850684e-06-1.006959e-05j	-8.103660e-06+4.266100e-06j	6.072820e-06-9.679170e-07j
2.0	90.0	7.934666e-06-6.956609e-05j	-4.420442e-05-3.976881e-05j	-1.234141e-05+3.420860e-05j	-7.941798e-06-1.553752e-05j	-9.007357e-07-2.304845e-05j	-1.438664e-05-4.887531e-06j	6.758269e-07+6.596105e-06j	-3.566713e-06+3.503129e-06j	2.752035e-06+2.072774e-06j
2.0	95.0	3.965003e-06-6.732223e-05j	-4.522525e-05-3.459749e-05j	-6.261796e-06+3.640491e-05j	-1.551231e-05-1.369897e-05j	-1.247696e-05-1.496769e-05j	-4.207221e-06+9.448891e-06j	-7.139155e-06-4.002697e-06j	-4.365285e-06-3.718726e-07j	3.747957e-06-1.656951e-06j
2.0	100.0	1.081014e-07-6.494146e-05j	-4.574428e-05-2.931423e-05j	1.315611e-08+3.729127e-05j	-2.188064e-05-8.767243e-06j	-1.516136e-05-2.340455e-05j	8.032090e-06-1.193670e-07j	6.196590e-06+1.018574e-05j	-7.508321e-06+3.061993e-06j	5.369888e-06-3.647868e-07j
2.0	105.0	-3.602357e-06-6.244659e-05j	-4.574938e-05-2.400522e-05j	6.144788e-06+3.686091e-05j	-2.580533e-05-1.482780e-06j	-8.710134e-06+7.078208e-06j	-3.203883e-06-1.047082e-05j	-1.292309e-06-5.611109e-06j	-2.076370e-06+5.241155e-06j	2.153322e-06-6.835363e-07j
2.0	110.0	-7.142330e-06-5.986094e-05j	-4.524927e-05-1.874995e-05j	1.181900e-05+3.520040e-05j	-2.650801e-05+6.938939e-06j	1.437225e-06+8.060115e-06j	-1.370492e-05+2.560240e-06j	6.957955e-06+1.575692e-06j	-3.846316e-06+1.582687e-06j	3.963887e-07-3.615419e-06j
2.0	115.0	-1.049522e-05-5.720806e-05j	-4.426953e-05-1.361949e-05j	1.677043e-05+3.247125e-05j	-2.382816e-05+1.509278e-05j	8.078067e-06+1.168159e-06j	-7.416155e-07+1.414419e-05j	-8.596359e-06-6.718713e-06j	-3.686468e-06+6.566024e-06j	1.129776e-06-4.904035e-06j
2.0	120.0	-1.365023e-05-5.451146e-05j	-4.284894e-05-8.675225e-06j	2.079842e-05+2.888742e-05j	-1.821573e-05+2.169030e-05j	7.039504e-06-8.151596e-06j	1.138132e-05+3.004593e-06j	3.206003e-06+6.512509e-06j	-9.074926e-07+2.968490e-06j	2.215417e-06-4.132729e-06j
2.0	125.0	-1.660117e-05-5.179432e-05j	-4.103619e-05-3.968103e-06j	2.377463e-05+2.469141e-05j	-1.058514e-05-2.580520e-05j	-5.861873e-07-1.355005e-05j	2.816834e-06-8.117127e-06j	-3.973967e-06-2.113561e-06j	-4.976825e-06+4.472024e-06j	3.032817e-06-2.658164e-06j
2.0	130.0	-1.934548e-05-4.907923e-05j	-3.888691e-05+4.616904e-07j	2.564313e-05+2.013177e-05j	-2.088678e-06-2.700671e-05j	-9.859167e-06-1.171107e-05j	-6.227042e-06-8.796729e-07j	7.119590e-06+4.487234e-06j	-2.004483e-06+3.050494e-06j	3.798811e-06-6.510932e-07j
2.0	135.0	-2.188358e-05-4.638802e-05j	-3.646101e-05+4.584594e-06j	2.641417e-05+1.544380e-05j	6.122699e-06+2.536931e-05j	-1.546996e-05-3.754521e-06j	9.425581e-07+7.129115e-06j	-3.595651e-06-8.391973e-06j	-6.368833e-06+3.366593e-07j	3.353270e-06+2.479105e-06j
2.0	140.0	-2.421825e-05-4.374158e-05j	-3.382044e-05+8.381192e-06j	2.615387e-05+1.083475e-05j	1.309477e-05+2.138093e-05j	-1.471386e-05+6.178845e-06j	9.255074e-06+8.335896e-08j	-1.151330e-06+6.721532e-06j	-2.736418e-06-1.477877e-06j	-5.873633e-07+4.245984e-06j
2.0	145.0	-2.635415e-05-4.115967e-05j	-3.102721e-05+1.184143e-05j	2.497124e-05+6.473977e-06j	1.818887e-05+1.579152e-05j	-8.372047e-06+1.363896e-05j	3.167942e-06-9.943541e-06j	1.957444e-06-4.523644e-06j	-1.932115e-06-5.390349e-06j	-2.965267e-06-3.369326e-07j
2.0	150.0	-2.829746e-05-3.866086e-05j	-2.814182e-05+1.496358e-05j	2.300468e-05+2.487964e-06j	2.111767e-05+9.446980e-06j	4.084363e-07+1.603721e-05j	-8.627678e-06-7.256615e-06j	-3.587975e-06+4.412288e-06j	4.782533e-06-1.672302e-06j	2.635848e-06-2.015034e-07j
2.0	155.0	-3.005546e-05-3.626244e-05j	-2.522200e-05+1.775313e-05j	2.040907e-05-1.040413e-06j	2.191219e-05+3.144999e-06j	8.064283e-06+1.332258e-05j	-1.041732e-05+4.031276e-06j	6.740668e-06-8.485175e-07j	2.198765e-06+2.719784e-06j	-2.695662e-06+2.495004e-06j
2.0	160.0	-3.163627e-05-3.398033e-05j	-2.232175e-05+2.022148e-05j	1.734452e-05-4.069217e-06j	2.084464e-05-2.466218e-06j	1.218696e-05+7.321435e-06j	-1.394244e-06+9.916132e-06j	-4.645010e-06-5.541631e-06j	-3.327046e-06+2.926707e-06j	2.639288e-06-3.599242e-07j
2.0	165.0	-3.304850e-05-3.182912e-05j	-1.949071e-05+2.238467e-05j	1.396741e-05-6.592385e-06j	1.833408e-05-6.940283e-06j	1.213190e-05+5.059161e-07j	7.382489e-06+5.520403e-06j	-2.574762e-06+6.129896e-06j	-5.608178e-07-4.857529e-06j	-2.639753e-06-1.316920e-06j
2.0	170.0	-3.430104e-05-2.982200e-05j	-1.677376e-05+2.426214e-05j	1.042385e-05-8.633224e-06j	1.485631e-05-1.004175e-05j	8.752975e-06-5.070721e-06j	8.070309e-06-2.564598e-06j	5.741501e-06+3.610039e-07j	3.112212e-06+3.051375e-06j	-1.860228e-06+2.526897e-06j
2.0	175.0	-3.540279e-05-2.797082e-05j	-1.421087e-05+2.587551e-05j	6.845449e-06-1.023730e-05j	1.087186e-05-1.172401e-05j	3.694760e-06-8.306403e-06j	2.277650e-06-6.435300e-06j	-1.350002e-06-4.688780e-06j	-3.339749e-06-9.203400e-07j	6.241952e-07+2.302172e-06j
2.0	180.0	-3.636246e-05-2.628608e-05j	-1.183704e-05+2.724752e-05j	3.347222e-06-1.146537e-05j	6.777731e-06-1.208954e-05j	-1.328779e-06-9.060872e-06j	-3.717164e-06-4.280248e-06j	-3.318042e-06+1.755547e-06j	2.610541e-06-2.879928e-07j	1.237099e-06+1.016652e-06j
2.0	185.0	-3.718837e-05-2.477704e-05j	-9.682499e-06+2.840097e-05j	2.709367e-08-1.238690e-05j	2.882319e-06-1.134412e-05j	-5.024564e-06-7.855129e-06j	-5.570557e-06+3.759801e-07j	2.208628e-06+2.495873e-06j	-1.822199e-06+7.604666e-07j	1.040713e-06+2.488274e-07j
2.0	190.0	-3.788829e-05-2.345169e-05j	-7.772927e-06+2.935788e-05j	-3.033353e-06-1.307433e-05j	-6.005755e-07-9.753411e-06j	-6.727766e-06-5.490133e-06j	-3.220447e-06+3.317601e-06j	1.428056e-06-1.836731e-06j	1.216737e-06-8.662268e-07j	7.376992e-07-1.106941e-07j
2.0	195.0	-3.846928e-05-2.231687e-05j	-6.129735e-06+3.013876e-05j	-5.767353e-06-1.359829e-05j	-3.544461e-06-7.606478e-06j	-6.388471e-06-2.737931e-06j	6.667639e-07+2.958866e-06j	-1.956365e-06-1.249784e-06j	-7.834911e-07+8.163381e-07j	4.760335e-07-2.735698e-07j
2.0	200.0	-3.893757e-05-2.137826e-05j	-4.770411e-06+3.076194e-05j	-8.121017e-06-1.402381e-05j	-5.895030e-06-5.187965e-06j	-4.431796e-06-1.652714e-07j	3.292441e-06+5.874594e-07j	-3.362219e-07+1.461378e-06j	4.704716e-07-7.002069e-07j	2.695716e-07-3.355467e-07j
2.0	205.0	-3.929844e-05-2.064051e-05j	-3.708831e-06+3.124309e-05j	-1.005130e-05-1.440733e-05j	-7.651696e-06-2.758569e-06j	-1.569287e-06+1.916094e-06j	3.369202e-06-1.433719e-06j	1.498829e-06+6.758253e-07j	-2.376131e-07+5.537505e-07j	1.187303e-07-3.387850e-07j
2.0	210.0	-3.955616e-05-2.010721e-05j	-2.955573e-06+3.159480e-05j	-1.152411e-05-1.479455e-05j	-8.848931e-06-5.423715e-07j	1.390193e-06+3.409546e-06j	1.359047e-06-1.657874e-06j	-3.264734e-07-1.109120e-06j	5.860572e-08-3.943883e-07j	2.360845e-08-3.075178e-07j
2.0	215.0	-3.971388e-05-1.978100e-05j	-2.518167e-06+3.182632e-05j	-1.251267e-05-1.521879e-05j	-9.539381e-06+1.280729e-06j	3.705545e-06+4.348048e-06j	-1.234841e-06-3.993449e-07j	-1.012054e-06-4.720193e-07j	8.513550e-08+2.339432e-07j	-1.844311e-08-2.575617e-07j
2.0	220.0	-3.977361e-05-1.966354e-05j	-2.401301e-06+3.194326e-05j	-1.299642e-05-1.570001e-05j	-9.779813e-06+2.579177e-06j	4.832761e-06+4.801247e-06j	-2.849209e-06+8.693896e-07j	7.673099e-07+8.905569e-07j	-2.085205e-07-8.255562e-08j	-1.416034e-08-1.976730e-07j
2.0	225.0	-3.973619e-05-1.975558e-05j	-2.606952e-06+3.194757e-05j	-1.296025e-05-1.624407e-05j	-9.620445e-06+3.271849e-06j	4.511925e-06+4.803795e-06j	-2.620521e-06+8.981135e-07j	4.942839e-07+4.842023e-07j	3.244804e-07-5.025988e-08j	2.584090e-08-1.299175e-07j
2.0	230.0	-3.960125e-05-2.005693e-05j	-3.134448e-06+3.183741e-05j	-1.239440e-05-1.684243e-05j	-9.097908e-06+3.329029e-06j	2.807381e-06+4.322686e-06j	-7.143517e-07-2.852092e-07j	-1.074723e-06-8.584778e-07j	-4.444228e-07+1.552157e-07j	8.766976e-08-5.096679e-08j

Frequency [Hz]:		16	31.5	63	125	250	500	1000	2000	4000
r [m]	φ [°]					Sound pressure [Pa]				
2.0	235.0	-3.936726e-05-2.056649e-05j	-3.980451e-06+3.160722e-05j	-1.129480e-05-1.747213e-05j	-8.232094e-06+2.772772e-06j	9.850490e-08+3.270642e-06j	1.782941e-06-1.426150e-06j	9.830721e-08-6.176968e-07j	5.783899e-07-2.227597e-07j	1.546582e-07+4.563652e-08j
2.0	240.0	-3.903151e-05-2.128222e-05j	-5.138857e-06+3.124780e-05j	-9.663996e-06-1.809607e-05j	-7.027110e-06+1.676735e-06j	-2.978638e-06+1.562090e-06j	3.344958e-06-1.149791e-06j	1.280228e-06+1.077838e-06j	-7.355492e-07+2.419301e-07j	2.077704e-07+1.669625e-07j
2.0	245.0	-3.859017e-05-2.220111e-05j	-6.600630e-06+3.074651e-05j	-7.512550e-06-1.866373e-05j	-5.476623e-06+1.651099e-07j	-5.635482e-06-8.017268e-07j	2.760169e-06+7.237238e-07j	-8.566622e-07+7.791062e-07j	9.251862e-07-1.973637e-07j	2.256226e-07+3.192019e-07j
2.0	250.0	-3.803836e-05-2.331914e-05j	-8.353574e-06+3.008756e-05j	-4.860893e-06-1.911227e-05j	-3.573705e-06-1.590237e-06j	-7.074907e-06-3.641033e-06j	-4.799829e-08+2.720735e-06j	-1.341427e-06-1.668856e-06j	-1.156870e-06+6.177784e-08j	1.815547e-07+5.086485e-07j
2.0	255.0	-3.737025e-05-2.463125e-05j	-1.038204e-05+2.925236e-05j	-1.741528e-06-1.936835e-05j	-1.324962e-06-3.375789e-06j	-6.665615e-06-6.530046e-06j	-3.551737e-06+2.675253e-06j	1.961293e-06-7.697532e-07j	1.433211e-06-2.204135e-07j	2.846887e-08+7.430218e-07j
2.0	260.0	-3.657913e-05-2.613126e-05j	-1.266659e-05+2.822002e-05j	1.798555e-06-1.935055e-05j	1.232019e-06-4.947358e-06j	-4.130847e-06-8.791138e-06j	-5.071261e-06-3.115137e-07j	9.534518e-07+2.823767e-06j	-1.714035e-06-7.580427e-07j	-3.486674e-07+1.005547e-06j
2.0	265.0	-3.565757e-05-2.781180e-05j	-1.518369e-05+2.696792e-05j	5.695447e-06-1.897285e-05j	4.009926e-06-6.047975e-06j	2.789846e-07-9.589360e-06j	-2.501394e-06-4.332436e-06j	-3.557866e-06-6.229619e-08j	1.808298e-06+1.708336e-06j	-1.183372e-06+1.075036e-06j
2.0	270.0	-3.459761e-05-2.966423e-05j	-1.790532e-05+2.547252e-05j	9.866145e-06-1.814895e-05j	6.855083e-06-6.434242e-06j	5.684018e-06-8.153637e-06j	3.300872e-06-5.361324e-06j	9.143123e-07-4.314059e-06j	-1.190291e-06-3.080814e-06j	-2.387530e-06+5.526419e-08j
2.0	275.0	-3.339091e-05-3.167857e-05j	-2.079868e-05+2.371016e-05j	1.420697e-05-1.679778e-05j	9.537785e-06-5.911528e-06j	1.062345e-05-4.112861e-06j	7.629060e-06-8.561792e-07j	4.528453e-06+3.098163e-06j	-8.989253e-07+4.086823e-06j	-1.640094e-06-2.657637e-06j
2.0	280.0	-3.202903e-05-3.384339e-05j	-2.382599e-05+2.165817e-05j	1.859301e-05-1.485000e-05j	1.175553e-05-4.376174e-06j	1.334131e-05-2.136062e-06j	5.146887e-06+6.147423e-06j	-5.169003e-06+3.364099e-06j	3.987392e-06-2.586383e-06j	2.633947e-06-1.554317e-06j
2.0	285.0	-3.050370e-05-3.614567e-05j	-2.694426e-05+1.929606e-05j	2.287895e-05-1.225549e-05j	1.315509e-05-1.859680e-06j	1.234600e-05+9.201451e-06j	-3.575127e-06+7.907559e-06j	-4.223453e-07-6.908444e-06j	-4.022289e-06-2.237700e-06j	-1.096943e-06+2.715500e-06j
2.0	290.0	-2.880714e-05-3.857072e-05j	-3.010532e-05+1.660684e-05j	2.690191e-05-8.991307e-06j	1.337750e-05+1.433911e-06j	7.146521e-06+1.484217e-05j	-9.490855e-06+5.233847e-07j	5.572649e-06+3.898951e-06j	-1.997784e-06+3.801047e-06j	4.027373e-07-3.014396e-06j
2.0	295.0	-2.693251e-05-4.110202e-05j	-3.325599e-05+1.357858e-05j	3.048646e-05-5.069754e-06j	1.212594e-05+5.109490e-06j	-1.129417e-06+1.665543e-05j	-4.174623e-06-8.088624e-06j	-6.274905e-06+7.225259e-07j	3.590462e-06+3.072656e-06j	-1.762441e-06+2.626821e-06j
2.0	300.0	-2.487425e-05-4.372111e-05j	-3.633842e-05+1.020595e-05j	3.345219e-05-5.457593e-07j	9.249672e-06+8.594668e-06j	-9.681774e-06+1.322960e-05j	6.477368e-06-5.476259e-06j	5.303394e-06-3.351150e-06j	4.161751e-06-1.934664e-06j	3.140947e-06-1.618209e-07j
2.0	305.0	-2.262860e-05-4.640746e-05j	-3.929071e-05+6.491823e-06j	3.562385e-05+4.477497e-06j	4.828927e-06+1.119696e-05j	-1.492054e-05+5.290651e-06j	6.244448e-06+5.834578e-06j	-4.201013e-06+5.682439e-06j	1.369116e-06-4.610231e-06j	-6.753472e-07-3.273621e-06j
2.0	310.0	-2.019399e-05-4.913848e-05j	-4.204794e-05+2.448625e-06j	3.684348e-05+9.845840e-06j	-7.617981e-07+1.220810e-05j	-1.421540e-05-3.943532e-06j	-6.240417e-06+7.062226e-06j	1.447464e-06-7.491099e-06j	-1.190939e-06-4.567630e-06j	-3.410121e-06-3.735214e-07j
2.0	315.0	-1.757122e-05-5.188968e-05j	-4.454347e-05-1.900716e-06j	3.698398e-05+1.535560e-05j	-6.838699e-06+1.104693e-05j	-7.741940e-06-9.865549e-06j	-9.905877e-06-6.949833e-06j	8.222257e-07+6.528594e-06j	-3.437458e-06-3.301574e-06j	-2.579717e-06+1.977554e-06j
2.0	320.0	-1.476352e-05-5.463516e-05j	-4.671080e-05-6.522609e-06j	3.596279e-05+2.076059e-05j	-1.246473e-05+7.416576e-06j	8.562762e-07-8.932842e-06j	4.435584e-06-1.348171e-05j	4.568092e-07-6.226926e-06j	-4.130133e-06-2.742229e-06j	-1.373416e-06+2.944415e-06j
2.0	325.0	-1.177613e-05-5.734837e-05j	-4.848588e-05-1.137355e-05j	3.375406e-05+2.578523e-05j	-1.658651e-05+1.437995e-06j	5.976277e-06-1.230050e-06j	1.312924e-05-2.285547e-07j	7.198463e-07+8.845106e-06j	-5.347008e-06-2.192222e-06j	-1.140492e-06+3.668631e-06j
2.0	330.0	-8.615891e-06-6.000320e-05j	-4.980997e-05-1.640168e-05j	3.039779e-05+3.014368e-05j	-1.823931e-05-6.285139e-06j	3.405516e-06+8.759783e-06j	1.885446e-06+8.266285e-06j	-1.552693e-06-6.271206e-06j	-5.354317e-06-3.769734e-06j	-1.513852e-06+3.603481e-06j
2.0	335.0	-5.290892e-06-6.257492e-05j	-5.063267e-05-2.154867e-05j	2.600440e-05+3.356337e-05j	-1.678099e-05-1.470815e-05j	-6.462830e-06+1.435475e-05j	-3.825749e-06-2.693743e-06j	-1.458240e-08+8.947208e-06j	-4.771975e-06-4.161961e-06j	-2.854927e-06+2.791206e-06j
2.0	340.0	-1.810892e-06-6.504099e-05j	-5.091522e-05-2.675127e-05j	2.075324e-05+3.581045e-05j	-1.209381e-05-2.250879e-05j	-1.808529e-05+1.095604e-05j	9.665395e-06-5.713776e-06j	5.664142e-07-4.905950e-06j	-4.041610e-06-5.619644e-06j	-4.116954e-06+1.345039e-06j
2.0	345.0	1.811346e-06-6.738119e-05j	-5.063392e-05-3.194222e-05j	1.488423e-05+3.671464e-05j	-4.687150e-06-2.835143e-05j	-2.391778e-06-4.666254e-07j	1.250358e-05+1.160139e-05j	-2.228546e-06+1.180650e-05j	-1.882409e-06-6.599580e-06j	-3.708249e-06-3.173003e-07j
2.0	350.0	5.557664e-06-6.957745e-05j	-4.978360e-05-3.705056e-05j	8.681806e-06+3.619059e-05j	4.349121e-06-3.119202e-05j	-1.942787e-06-1.354148e-05j	-6.276644e-06+1.703876e-05j	-3.007316e-07-5.998369e-06j	2.662555e-07-5.637325e-06j	-3.020112e-06+1.555092e-07j
2.0	355.0	9.401182e-06-7.161348e-05j	-4.838154e-05-4.200194e-05j	2.451572e-06+3.425382e-05j	1.355136e-05-3.053782e-05j	-6.294896e-06-2.059041e-05j	-1.283571e-05+2.152714e-08j	-4.847038e-06+6.507940e-06j	-6.002461e-07-3.654679e-06j	-5.642624e-06+9.130012e-08j

Table 4: Complex sound pressure of the total sound field for the plane wave excitation pattern (source type 4).

Frequency [Hz]:		16	31.5	63	125	250	500	1000	2000	4000
r [m]	φ [°]	Sound pressure [Pa]								
2.0	0.0	9.459443e-01+5.716037e-01j	9.826380e-01+1.007943e+00j	5.687471e-01+6.180827e-01j	-1.438617e+00+3.718090e-02j	7.233806e-01-1.789313e-01j	5.992149e-01+7.833489e-01j	3.458705e-01+7.256901e-01j	5.206695e-01+4.615634e-01j	-2.056973e+00-2.060648e-01j
2.0	5.0	9.332056e-01+6.103738e-01j	9.411403e-01+1.061789e+00j	4.287431e-01+6.012865e-01j	-1.360986e+00-2.128660e-01j	6.179949e-01+3.807999e-01j	-3.171816e-01+1.246363e+00j	-1.416441e+00-1.051504e-01j	1.278189e+00-2.630389e-01j	1.087513e+00-2.217313e-01j
2.0	10.0	9.205730e-01+6.446521e-01j	8.998625e-01+1.106669e+00j	2.974295e-01+5.736562e-01j	-1.218657e+00-3.990116e-01j	3.517802e-01+7.401417e-01j	-1.087681e+00+7.618963e-01j	-1.861651e-01-1.291979e+00j	-1.125868e+00-6.870782e-02j	6.314528e-01+4.689587e-01j
2.0	15.0	9.084772e-01+6.743926e-01j	8.602096e-01+1.143340e+00j	1.768094e-01+5.410942e-01j	-1.037720e+00-5.172689e-01j	5.746613e-02+8.812399e-01j	-1.070424e+00-1.342091e-01j	8.423392e-01+1.957837e-01j	4.921430e-01+5.002265e-01j	1.052226e-01+9.100283e-01j
2.0	20.0	8.973211e-01+6.995633e-01j	8.234265e-01+1.172605e+00j	6.796013e-02+5.090152e-01j	-8.407580e-01-5.739994e-01j	-1.814502e-01+8.537231e-01j	-4.449976e-01-8.272252e-01j	4.481134e-02+7.853819e-01j	-1.069856e+00-6.944206e-01j	3.253237e-01+9.372128e-01j
2.0	25.0	8.874710e-01+7.201319e-01j	7.905928e-01+1.195240e+00j	-2.857944e-02-4.820673e-01j	-6.448908e-01-5.821336e-01j	-3.379031e-01+7.298765e-01j	2.840400e-01-1.108469e+00j	-5.895477e-01-2.643011e-01j	1.176123e+00-5.793544e-01j	6.068150e-01-6.009363e-01j
2.0	30.0	8.792482e-01+7.360565e-01j	7.626237e-01+1.211929e+00j	-1.124468e-01+4.639787e-01j	-4.616575e-01-5.575474e-01j	-4.233046e-01+5.752957e-01j	7.757725e-01-1.063276e+00j	-4.612189e-01-9.414147e-01j	2.356856e-01+9.027102e-01j	-8.557476e-01-9.967651e-01j
2.0	35.0	8.729200e-01+7.472817e-01j	7.402705e-01+1.223213e+00j	-1.831823e-01+4.574974e-01j	-2.981280e-01-5.161106e-01j	-4.638889e-01+4.377279e-01j	9.790666e-01-8.371436e-01j	2.128714e-01-6.390600e-01j	-4.081124e-01-2.018987e-01j	1.399376e+00-5.993017e-01j
2.0	40.0	8.686915e-01+7.537418e-01j	7.241165e-01+1.229462e+00j	-2.400704e-01+4.643872e-01j	-1.585551e-01-4.715323e-01j	-4.827226e-01+3.473192e-01j	1.025642e+00-5.476741e-01j	1.137711e+00-3.706221e-01j	-8.802044e-02-2.968376e-01j	4.087359e-01+6.822737e-01j
2.0	45.0	8.666977e-01+7.553677e-01j	7.145696e-01+1.230856e+00j	-2.820856e-01+4.854516e-01j	-4.595365e-02-4.339105e-01j	-4.903373e-01+3.206508e-01j	1.072154e+00-3.062498e-01j	1.578776e+00-8.082944e-01j	4.072647e-01-1.290006e+00j	1.927264e-02+4.738957e-01j
2.0	50.0	8.669977e-01+7.520944e-01j	7.118527e-01+1.227386e+00j	-3.079113e-01+5.205642e-01j	3.685188e-02-4.088263e-01j	-4.822742e-01+3.638479e-01j	1.179672e+00-2.334378e-01j	1.067426e+00-1.385075e+00j	-8.335779e-01-5.158806e-01j	1.254833e+00+2.218640e-01j
2.0	55.0	8.695716e-01+7.438681e-01j	7.159951e-01+1.218857e+00j	-3.160059e-01+5.686917e-01j	8.696653e-02-3.968687e-01j	-4.408042e-01+4.728997e-01j	1.264908e+00-4.117833e-01j	1.051031e-01-1.322128e+00j	4.650044e-02+2.435200e-01j	1.746974e+00-1.074485e+00j
2.0	60.0	8.743204e-01+7.306511e-01j	7.268252e-01+1.204903e+00j	-3.047088e-01+6.279036e-01j	1.020049e-01-3.935753e-01j	-3.392453e-01+6.309679e-01j	1.144485e+00-7.970643e-01j	-4.990717e-01-6.367449e-01j	2.883528e-01+2.662255e-01j	-7.295168e-01+1.688988e-01j
2.0	65.0	8.810689e-01+7.124264e-01j	7.439633e-01+1.185012e+00j	-2.723931e-01+6.953724e-01j	8.139037e-02-3.898918e-01j	-1.492917e-01+8.036018e-01j	6.762409e-01-1.161867e+00j	-3.678195e-01+1.655221e-01j	9.280773e-01-9.649494e-01j	-3.216958e-01-6.621018e-01j
2.0	70.0	8.895706e-01+6.892015e-01j	7.668150e-01+1.158561e+00j	-2.176767e-01+7.673788e-01j	2.809581e-02-3.733394e-01j	1.467920e-01+9.346529e-01j	-5.085884e-02-1.168616e+00j	4.638238e-01+3.456869e-01j	-1.550632e+00-4.350731e-01j	1.099594e+00+4.880617e-01j
2.0	75.0	8.995145e-01+6.610144e-01j	7.945663e-01+1.124860e+00j	-1.396933e-01+8.393498e-01j	-4.961986e-02-3.300894e-01j	5.381359e-01+9.486305e-01j	-6.248549e-01-6.314690e-01j	8.048292e-01-7.568583e-01j	5.710958e-01+3.002260e-01j	1.358411e+00-3.990432e-01j
2.0	80.0	9.105339e-01+6.279393e-01j	8.261832e-01+1.083208e+00j	-3.841167e-02+9.059614e-01j	-1.370885e-01-2.480174e-01j	9.653565e-01+7.674549e-01j	-5.402122e-01+1.528522e-01j	-7.813854e-01-1.261829e+00j	-9.299418e-01+9.028028e-01j	-8.943641e-02-6.706935e-01j
2.0	85.0	9.222167e-01+5.900944e-01j	8.604181e-01+1.032955e+00j	8.502622e-02+9.613419e-01j	-2.134404e-01-1.205164e-01j	1.311311e+00+3.466965e-01j	2.106595e-01+4.263020e-01j	-1.192356e+00+7.093853e-01j	7.495356e-01-7.802068e-01j	-4.259338e-01+3.119855e-02j
2.0	90.0	9.341180e-01+5.476481e-01j	8.958287e-01+9.735727e-01j	2.279949e-01+9.993970e-01j	-2.537893e-01+4.958851e-02j	1.421734e+00-2.759569e-01j	7.611214e-01-2.630997e-01j	6.537834e-01+4.178679e-01j	9.285872e-02-2.796915e-01j	2.835936e-01+6.177407e-01j
2.0	95.0	9.457734e-01+5.008265e-01j	9.308106e-01+9.047197e-01j	3.861630e-01+1.014266e+00j	-2.336763e-01+2.471391e-01j	1.168919e+00-9.473490e-01j	1.571356e-01-1.137231e+00j	-7.472300e-01-3.163427e-01j	-6.261200e-01+1.047723e+00j	-3.405878e-01-3.214295e-01j
2.0	100.0	9.567143e-01+4.499180e-01j	9.636451e-01+8.263067e-01j	5.534239e-01+1.000883e+00j	-1.353558e-01+4.441373e-01j	5.442673e-01-1.421474e+00j	-1.075692e+00-7.859413e-01j	5.070800e-01+1.387878e+00j	-8.864308e-01+7.677507e-01j	4.454745e-01-2.613111e-01j
2.0	105.0	9.664840e-01+3.952763e-01j	9.925644e-01+7.385479e-01j	7.220372e-01+9.555978e-01j	4.540838e-02+6.028130e-01j	-2.745254e-01-1.462658e+00j	-1.143570e+00+6.134061e-01j	7.514757e-01-1.103100e+00j	-4.688748e-01-7.121488e-01j	7.655785e-01+2.388545e-01j
2.0	110.0	9.746542e-01+3.373214e-01j	1.015829e+00+6.419964e-01j	8.830146e-01+8.767586e-01j	2.941593e-01+6.826219e-01j	-9.544206e-01-9.974576e-01j	1.665090e-01+9.939989e-01j	-3.128400e-01+3.698313e-01j	-1.185068e+00-8.885670e-01j	3.249464e-01+1.190468e+00j
2.0	115.0	9.808410e-01+2.765365e-01j	1.031815e+00+5.375579e-01j	1.026745e+00+7.651770e-01j	5.765174e-01+6.501664e-01j	-1.166189e+00-2.167961e-01j	6.164356e-01-1.642996e-01j	7.912734e-02-1.131417e+00j	-1.922336e-01-4.747827e-01j	-8.188659e-01+1.187328e+00j
2.0	120.0	9.847202e-01+2.134630e-01j	1.039104e+00+4.264798e-01j	1.143811e+00+6.243570e-01j	8.425293e-01+4.895650e-01j	-8.003900e-01+4.793517e-01j	-4.961860e-01-4.674640e-01j	-9.213032e-01+1.128725e+00j	-3.200492e-01-1.335825e+00j	-1.053355e+00+5.072528e-01j
2.0	125.0	9.860404e-01+1.486914e-01j	1.036572e+00+3.103134e-01j	1.225895e+00+4.604206e-01j	1.036553e+00+2.099124e-01j	-8.400000e-02+7.083668e-01j	-6.180314e-01+8.381457e-01j	6.655948e-01-4.479175e-01j	-8.004415e-01-6.281962e-01j	-4.551616e-01+3.857254e-01j
2.0	130.0	9.846345e-01+8.285055e-02j	1.023461e+00+1.908521e-01j	1.266655e+00+2.816979e-01j	1.110527e+00-1.532253e-01j	5.264666e-01+3.671538e-01j	9.474478e-01+9.783601e-01j	-4.012276e-02+8.795928e-01j	-2.170795e-01-8.210850e-01j	1.592484e-01+8.043836e-01j
2.0	135.0	9.804267e-01+1.659359e-02j	9.994349e-01+7.004928e-02j	1.262423e+00+9.800660e-02j	1.036805e+00-5.436719e-01j	6.366331e-01-2.742862e-01j	1.207958e+00-7.017844e-01j	4.082987e-01-1.304656e+00j	-1.129621e+00-7.930265e-01j	5.012096e-01+1.169284e+00j
2.0	140.0	9.734371e-01-4.941638e-02j	9.646111e-01-5.007766e-02j	1.212610e+00-8.028955e-02j	8.163901e-01-8.967351e-01j	1.848980e-01-7.457026e-01j	-4.327859e-01-1.109507e+00j	-5.746348e-01+8.240020e-01j	-5.622514e-02-2.630722e-01j	6.223186e-01+1.226538e+00j
2.0	145.0	9.637817e-01-1.145219e-01j	9.195617e-01-1.675490e-01j	1.119758e+00-2.433123e-01j	4.796945e-01-1.154079e+00j	-5.194426e-01-6.997796e-01j	-8.811137e-01+2.908561e-01j	5.107767e-02-7.029036e-01j	-1.123380e+00-7.157305e-01j	6.004927e-01+1.115141e+00j
2.0	150.0	9.516688e-01-1.780861e-01j	8.652881e-01-2.805208e-01j	9.892132e-01-3.826392e-01j	7.950083e-02-1.276830e+00j	-1.020005e+00-1.410816e-01j	3.377207e-01+5.751654e-01j	-1.252104e-02+1.174729e+00j	-7.596691e-01-1.187988e-01j	4.591513e-01+1.069789e+00j
2.0	155.0	9.373920e-01-2.395068e-01j	8.031691e-01-3.873705e-01j	8.284888e-01-4.920729e-01j	-3.215521e-01-1.253050e+00j	-1.019674e+00+6.028382e-01j	5.167826e-01-5.989446e-01j	4.935140e-01-1.141122e+00j	-9.011618e-01-8.838542e-01j	8.881204e-02+1.171207e+00j
2.0	160.0	9.213189e-01-2.982278e-01j	7.348888e-01-4.867648e-01j	6.464288e-01-5.681104e-01j	-6.649313e-01-1.097806e+00j	-5.431178e-01+1.119852e+00j	-6.531563e-01-7.186666e-01j	-6.060560e-01+6.769524e-01j	-4.661836e-01-5.813110e-01j	-6.936807e-01+1.052197e+00j
2.0	165.0	9.038785e-01-3.537486e-01j	6.623502e-01-5.777022e-01j	4.523006e-01-6.100697e-01j	-9.075467e-01-8.466701e-01j	1.312700e-01+1.165943e+00j	-9.110191e-01+5.591795e-01j	5.807053e-01-5.485715e-01j	8.642097e-02-1.233433e+00j	-1.192202e+00-1.026084e-01j
2.0	170.0	8.855458e-01-4.056304e-01j	5.875830e-01-6.595307e-01j	2.549569e-01-6.198942e-01j	-1.027796e+00-5.454200e-01j	6.765959e-01+7.662337e-01j	2.279883e-01+1.173195e+00j	-9.474257e-01+3.939680e-01j	8.880764e-01-2.688948e-01j	3.698786e-01-7.355652e-01j
2.0	175.0	8.668252e-01-4.534994e-01j	5.126532e-01-7.319392e-01j	6.217116e-02-6.017021e-01j	-1.025742e+00-2.393641e-01j	8.977786e-01+1.416676e-01j	1.054942e+00+3.374819e-01j	1.035438e+00+3.698447e-01j	6.986465e-01+5.806957e-01j	-2.331875e-01+1.059159e+00j
2.0	180.0	8.482343e-01-4.970464e-01j	4.395809e-01-7.949260e-01j	-1.197897e-01-5.611796e-01j	-9.187037e-01+3.490104e-02j	7.891114e-01-4.441068e-01j	6.103513e-01-7.115943e-01j	-1.964993e-01-1.023614e+00j	-8.785255e-01+6.703543e-01j	2.256333e-01-9.276004e-01j
2.0	185.0	8.302867e-01-5.360241e-01j	3.702710e-01-8.487499e-01j	-2.863412e-01-5.049226e-01j	-7.345064e-01+2.539028e-01j	4.786950e-01-8.079717e-01j	-3.414325e-01-8.636197e-01j	-7.131167e-01+6.198214e-01j	6.310313e-02-1.004040e+00j	-1.064498e+00+3.927511e-02j
2.0	190.0	8.134775e-01-5.702418e-01j	3.064598e-01-8.938682e-01j	-4.345308e-01-4.398170e-01j	-5.046405e-01+4.079047e-01j	1.301815e-01-8.903081e-01j	-7.487096e-01-2.726902e-01j	5.863962e-01+3.372507e-01j	3.824068e-01+6.616874e-01j	-3.203106e-01+6.883882e-01j
2.0	195.0	7.982682e-01-5.995585e-01j	2.496785e-01-9.308678e-01j	-5.628145e-01-3.725205e-01j	-2.588987e-01+4.987379e-01j	-1.339705e-01-7.313711e-01j	-4.146210e-01+3.275005e-01j	1.680512e-01-6.117900e-01j	-4.256557e-01-3.228261e-01j	1.291378e-01+4.559826e-01j
2.0	200.0	7.850751e-01-6.238745e-01j	2.012322e-01-9.603956e-01j	-6.707275e-01-3.090773e-01j	-2.213449e-02+5.362182e-01j	-2.627439e-01-4.216842e-01j	1.667028e-01+5.108091e-01j	-3.926860e-01+4.660351e-02j	3.370004e-01+1.318310e-01j	2.193568e-01+2.295356e-01j
2.0	205.0	7.742582e-01-6.431230e-01j	1.621907e-01-9.830927e-01j	-7.585097e-01-2.546684e-01j	1.869665e-01+5.343433e-01j	-2.685616e-01-5.911912e-02j	4.716938e-01+3.289611e-01j	-7.828946e-03+4.085208e-01j	-2.366738e-01-3.443838e-02j	2.167182e-01+1.054979e-01j
2.0	210.0	7.661130e-01-6.572618e-01j	1.333904e-01-9.995350e-01j	-8.267423e-01-2.134766e-01j	3.556540e-01+5.080373e-01j	-2.012905e-01+2.749103e-01j	3.364770e-01+3.142133e-02j	2.133132e-01-1.820302e-01j	1.491447e-01-2.023571e-02j	1.932097e-01+4.084194e-02j
2.0	215.0	7.608635e-01-6.662661e-01j	1.154396e-01-1.010185e+00j	-8.760312e-01-1.886342e-01j	4.760887e-01+4.707498e-01j	-1.207394e-01+5.227361e-01j	-4.693505e-02-1.931350e-01j	9.741113e-03-2.612520e-01j	-7.392267e-02+5.703560e-02j	1.608026e-01+1.331983e-02j
2.0	220.0	7.586577e-01-6.701220e-01j	1.087280e-01-1.015353e+00j	-9.067608e-01-1.822194e-01j	5.441076e-01+4.328917e-01j	-7.563384e-02+6.490142e-01j	-3.457983e-01-2.856853e-01j	-1.137803e-01+2.548706e-01j	8.336137e-03-8.737930e-02j	1.214736e-01+1.323775e-02j
2.0	225.0	7.595642e-01-6.688232e-01j	1.134325e-01-1.015176e+00j	-9.189323e-01-1.952685e-01j	5.581871e-01+4.009256e-01j	-9.075807e-02+6.372168e-01j	-3.289942e-01-2.583205e-01j	-7.193277e-02+1.486444e-01j	4.880164e-02+1.178771e-01j	7.511481e-02+3.338167e-02j
2.0	230.0	7.635710e-01-6.623686e-01j	1.295218e-01-1.009603e+00j	-9.120892e-01-2.277808e-01j	5.188449e-01+3.769181e-01j	-1.613884e-01+4.876611e-01j	-1.351655e-02-1.245155e-01j	7.994252e-02-3.257610e-01j	-9.753959e-02-1.542556e-01j	1.999350e-02+6.611864e-02j

Frequency [Hz]:	16	31.5	63	125	250	500	1000	2000	4000
r [m]	φ [°]				Sound pressure [Pa]				
2.0	235.0	7.705859e-01-6.507625e-01j	1.567551e-01-9.983971e-01j	-8.853340e-01-2.787074e-01j	4.285856e-01+3.584441e-01j	-2.541452e-01+2.183247e-01j	3.474654e-01+1.052255e-01j	1.767325e-01-2.859330e-02j	1.368501e-01+2.039462e-01j	-4.818999e-02+1.034646e-01j
2.0	240.0	7.804377e-01-6.340177e-01j	1.946772e-01-9.811534e-01j	-8.374340e-01-3.459233e-01j	2.923946e-01+3.388653e-01j	-3.144303e-01-1.318439e-01j	4.299779e-01+3.604228e-01j	-1.336128e-01+4.190288e-01j	-1.618790e-01-2.794170e-01j	-1.403926e-01+1.365852e-01j
2.0	245.0	7.928804e-01-6.121596e-01j	2.426110e-01-9.573256e-01j	-7.670157e-01-4.261992e-01j	1.186663e-01+3.081234e-01j	-2.814938e-01-4.990580e-01j	8.680452e-02+4.592418e-01j	-3.152317e-01-1.767852e-01j	1.524203e-01+4.009304e-01j	-2.859088e-01+1.431232e-01j
2.0	250.0	8.075981e-01-5.852332e-01j	2.996483e-01-9.262675e-01j	-6.728409e-01-5.151990e-01j	-7.968597e-02+2.542616e-01j	-1.116413e-01-7.947401e-01j	-4.572563e-01+1.932223e-01j	3.812383e-01-4.974909e-01j	-4.268834e-02-5.814094e-01j	-5.270835e-01+1.525810e-02j
2.0	255.0	8.242124e-01-5.533104e-01j	3.646448e-01-8.872856e-01j	-5.541498e-01-6.075355e-01j	-2.843790e-01+1.658388e-01j	1.933982e-01-9.167148e-01j	-6.621814e-01-4.036461e-01j	3.204607e-01+6.211127e-01j	-3.021273e-01+7.329598e-01j	-6.433728e-01-5.534466e-01j
2.0	260.0	8.422914e-01-5.164991e-01j	4.362203e-01-8.397008e-01j	-4.110450e-01-6.969219e-01j	-4.717705e-01+3.520547e-02j	5.631012e-01-7.787130e-01j	-1.400664e-01-8.309157e-01j	-8.865112e-01+1.803046e-01j	8.922923e-01-4.797758e-01j	3.977042e-01-1.041316e+00j
2.0	265.0	8.613606e-01-4.749520e-01j	5.127701e-01-7.829173e-01j	-2.448742e-01-7.764484e-01j	-6.143988e-01-1.377617e-01j	8.581027e-01-3.577333e-01j	7.155742e-01-4.428923e-01j	4.129224e-01-9.927764e-01j	-9.776678e-01-5.136300e-01j	5.894445e-01+7.366282e-01j
2.0	270.0	8.809158e-01-4.288748e-01j	5.924892e-01-7.164944e-01j	-5.855503e-02-8.390004e-01j	-6.845333e-01-3.423333e-01j	9.125960e-01+2.584421e-01j	8.305657e-01+6.099700e-01j	5.672308e-01+9.048842e-01j	-3.447817e-01+8.916655e-01j	-5.894715e-01-9.013619e-01j
2.0	275.0	9.004377e-01-3.785339e-01j	6.734131e-01-6.402156e-01j	1.432220e-01-8.778104e-01j	-6.597031e-01-5.552698e-01j	6.208454e-01+8.604980e-01j	-1.745755e-01+1.044393e+00j	-9.948978e-01-2.951811e-01j	5.894955e-01+7.567080e-01j	-5.403396e-02+8.983043e-01j
2.0	280.0	9.194074e-01-3.242620e-01j	7.534743e-01-5.541509e-01j	3.539776e-01-8.871043e-01j	-5.293565e-01-7.421606e-01j	3.220098e-02+1.181463e+00j	-9.465910e-01+5.168601e-02j	9.165063e-01-3.629753e-02j	1.090656e+00-1.371886e-01j	9.584194e-02-2.435965e-01j
2.0	285.0	9.373232e-01-2.664617e-01j	8.305744e-01-4.587059e-01j	5.656620e-01-8.627721e-01j	-3.009108e-01-8.625865e-01j	-6.161639e-01+1.035412e+00j	-1.565461e-01-9.549892e-01j	-9.490327e-01+2.073243e-01j	7.074517e-01-5.356147e-01j	1.781872e-01-1.032149e+00j
2.0	290.0	9.537166e-01-2.056069e-01j	9.026682e-01-3.546516e-01j	7.691255e-01-8.029691e-01j	-2.898795e-03-8.788162e-01j	-9.908240e-01+4.624401e-01j	8.910046e-01-2.068898e-01j	9.613520e-01-5.505072e-01j	5.802093e-01-9.551094e-01j	-4.911764e-01-9.103177e-01j
2.0	295.0	9.681689e-01-1.422409e-01j	9.678544e-01-2.431329e-01j	9.548137e-01-7.085398e-01j	3.168550e-01-7.662637e-01j	-8.624132e-01-2.356832e-01j	1.200442e-01+9.966411e-01j	-7.483430e-01+6.377826e-01j	4.090715e-01-7.853561e-01j	-6.725276e-01-7.104612e-01j
2.0	300.0	9.803254e-01-7.697226e-02j	1.024465e+00-1.256506e-01j	1.113614e+00-5.831737e-01j	5.988776e-01-5.226828e-01j	-2.920225e-01-6.430909e-01j	-1.169646e+00+2.633690e-01j	8.127091e-01-3.887704e-01j	3.839993e-01-1.024217e+00j	-5.501900e-01-7.649337e-01j
2.0	305.0	9.899076e-01-1.046729e-02j	1.071147e+00-4.017602e-03j	1.237741e+00-4.332283e-01j	7.843827e-01-1.727321e-01j	3.557681e-01-4.991683e-01j	-4.439112e-01-1.093549e+00j	-1.046321e+00+4.795385e-01j	6.389147e-01-7.497449e-01j	-3.543865e-01-1.015951e+00j
2.0	310.0	9.967229e-01+5.656159e-02j	1.106929e+00+1.197107e-01j	1.321525e+00-2.672118e-01j	8.291742e-01+2.344367e-01j	6.279628e-01+9.962116e-02j	8.648923e-01-4.791005e-01j	8.216252e-01-5.609800e-01j	5.908907e-01-7.519417e-01j	-7.181772e-02-1.034881e+00j
2.0	315.0	1.000671e+00+1.233724e-01j	1.131268e+00+2.433309e-01j	1.361978e+00-9.497107e-02j	7.149162e-01+6.347170e-01j	2.934040e-01+7.396103e-01j	2.048014e-01+5.673134e-01j	-8.414663e-01+1.626794e-01j	8.390095e-01-5.880211e-01j	3.528689e-01-1.027653e+00j
2.0	320.0	1.001745e+00+1.892162e-01j	1.144065e+00+3.646070e-01j	1.359045e+00+7.331330e-02j	4.540635e-01+9.632868e-01j	-4.870901e-01+9.655268e-01j	-7.045069e-01-3.578009e-01j	1.108327e+00-2.194602e-01j	9.400687e-01-5.385513e-01j	7.413159e-01-8.977904e-01j
2.0	325.0	1.000033e+00+2.533665e-01j	1.145666e+00+4.814002e-01j	1.315510e+00+2.281868e-01j	8.677301e-02+1.169311e+00j	-1.267981e+00+5.890875e-01j	4.422895e-01-1.374732e+00j	-9.799011e-01+1.914394e-01j	9.649092e-02-2.969609e-01j	7.271319e-01-6.770963e-01j
2.0	330.0	9.957087e-01+3.151513e-01j	1.136822e+00-5.918009e-01j	1.236568e+00+3.618778e-01j	-3.291403e-01+1.226655e+00j	-1.618116e+00-2.003396e-01j	1.727369e+00-2.612885e-01j	1.083060e+00-4.628532e-01j	1.074030e+00-5.883076e-01j	6.436963e-01-5.994247e-01j
2.0	335.0	9.890281e-01+3.739820e-01j	1.118639e+00+6.942410e-01j	1.129148e+00+4.690071e-01j	-7.318573e-01+1.137669e+00j	-1.381562e+00-9.864040e-01j	9.625420e-01+1.167864e+00j	-4.171894e-01+2.666541e-01j	9.858799e-02-2.294801e-01j	9.792814e-02-7.883959e-01j
2.0	340.0	9.803144e-01+4.293724e-01j	1.092505e+00+7.875708e-01j	1.001096e+00+5.469473e-01j	-1.068595e+00+9.296052e-01j	-7.261749e-01-1.398136e+00j	-3.469197e-01+7.874211e-01j	1.421426e+00-2.668372e-01j	3.590199e-01-7.640341e-01j	-1.108618e+00-5.857369e-01j
2.0	345.0	9.699462e-01+4.809441e-01j	1.059999e+00+8.710858e-01j	8.603435e-01+5.958058e-01j	-1.304547e+00+6.456447e-01j	1.103587e-02-1.302196e+00j	-2.232831e-01-2.672566e-01j	-2.098552e-01+1.550674e+00j	-6.164589e-01-2.583251e-01j	-4.952335e-01+3.353381e-01j
2.0	350.0	9.583419e-01+5.284187e-01j	1.022809e+00+9.445101e-01j	7.141825e-01+6.180787e-01j	-1.426083e+00+3.338308e-01j	5.357668e-01-8.148540e-01j	6.169561e-01-1.702909e-01j	-2.294991e-01-4.941750e-01j	-1.840673e+00-9.533758e-02j	1.695694e+00-1.943736e-01j
2.0	355.0	9.459443e-01+5.716037e-01j	9.826380e-01+1.007943e+00j	5.687471e-01+6.180827e-01j	-1.438617e+00+3.718090e-02j	7.233806e-01-1.789313e-01j	5.992149e-01+7.833489e-01j	3.458705e-01+7.256901e-01j	5.206695e-01+4.615634e-01j	-2.056973e+00-2.060648e-01j