Coverage report: 25%

Module	statements	missing	excluded	coverage
diffusion2d.py	82	32	0	61%
tests/integration/test_diffusion2d.py	34	0	0	100%
tests/unit/test_diffusion2d_functions.py	41	0	0	100%
/usr/lib/python3/dist-packages/PIL/__init__.py	6	0	0	100%
/usr/lib/python3/dist-packages/PIL/_version.py	1	0	0	100%
/usr/lib/python3/dist-packages/attr/__init__.py	22	0	0	100%
/usr/lib/python3/dist-packages/attr/_compat.py	82	41	11	50%
/usr/lib/python3/dist-packages/attr/_config.py	9	4	0	56%
/usr/lib/python3/dist-packages/attr/_funcs.py	79	68	0	14%
/usr/lib/python3/dist-packages/attr/_make.py	694	237	0	66%
/usr/lib/python3/dist-packages/attr/_version_info.py	37	17	0	54%
/usr/lib/python3/dist-packages/attr/converters.py	27	23	0	15%
/usr/lib/python3/dist-packages/attr/exceptions.py	16	4	0	75%
/usr/lib/python3/dist-packages/attr/filters.py	15	9	0	40%
/usr/lib/python3/dist-packages/attr/validators.py	116	55	0	53%
/usr/lib/python3/dist-packages/cycler.py	177	107	0	40%
/usr/lib/python3/dist-packages/dateutil/__init__.py	5	2	0	60%
/usr/lib/python3/dist-packages/dateutil/_common.py	25	15	0	40%
/usr/lib/python3/dist-packages/dateutil/_version.py	1	0	0	100%
/usr/lib/python3/dist-packages/dateutil/parser/__init__.py	33	4	0	88%
/usr/lib/python3/dist-packages/dateutil/parser/_parser.py	802	680	4	15%
/usr/lib/python3/dist-packages/dateutil/parser/isoparser.py	176	140	0	20%
Total	**65393**	**49223**	**15**	**25%**

Module	statements	missing	excluded	coverage
/usr/lib/python3/dist-packages /dateutil/relativedelta.py	241	206	0	15%
/usr/lib/python3/dist-packages /dateutil/rrule.py	974	859	0	12%
/usr/lib/python3/dist-packages /dateutil/tz/__init__.py	5	0	0	100%
/usr/lib/python3/dist-packages /dateutil/tz/_common.py	158	121	0	23%
/usr/lib/python3/dist-packages /dateutil/tz/_factories.py	32	13	0	59%
/usr/lib/python3/dist-packages /dateutil/tz/tz.py	768	616	0	20%
/usr/lib/python3/dist-packages /dateutil/tz/win.py	152	149	0	2%
/usr/lib/python3/dist-packages /matplotlib/__init__.py	681	385	0	43%
/usr/lib/python3/dist-packages /matplotlib/_cm.py	141	12	0	91%
/usr/lib/python3/dist-packages /matplotlib/_cm_listed.py	14	0	0	100%
/usr/lib/python3/dist-packages /matplotlib/_color_data.py	7	0	0	100%
/usr/lib/python3/dist-packages /matplotlib /_constrained_layout.py	331	315	0	5%
/usr/lib/python3/dist-packages /matplotlib/_layoutbox.py	417	351	0	16%
/usr/lib/python3/dist-packages /matplotlib/_mathtext_data.py	7	0	0	100%
/usr/lib/python3/dist-packages /matplotlib/_pylab_helpers.py	61	30	0	51%
/usr/lib/python3/dist-packages /matplotlib/_version.py	5	0	0	100%
/usr/lib/python3/dist-packages /matplotlib/afm.py	246	191	0	22%
/usr/lib/python3/dist-packages /matplotlib/artist.py	599	400	0	33%
/usr/lib/python3/dist-packages /matplotlib/axes/__init__.py	2	0	0	100%
/usr/lib/python3/dist-packages /matplotlib/axes/_axes.py	2384	2181	0	9%
/usr/lib/python3/dist-packages /matplotlib/axes/_base.py	1716	1501	0	13%
/usr/lib/python3/dist-packages /matplotlib /axes/_secondary_axes.py	173	143	0	17%
/usr/lib/python3/dist-packages /matplotlib/axes/_subplots.py	110	74	0	33%
Total	**65393**	**49223**	**15**	**25%**

Module	statements	missing	excluded	coverage
/usr/lib/python3/dist-packages /matplotlib/axis.py	1230	1003	0	18%
/usr/lib/python3/dist-packages /matplotlib/backend_bases.py	1235	955	0	23%
/usr/lib/python3/dist-packages /matplotlib/backend_managers.py	172	132	0	23%
/usr/lib/python3/dist-packages /matplotlib/backend_tools.py	582	391	0	33%
/usr/lib/python3/dist-packages /matplotlib/backends/__init__.py	44	16	0	64%
/usr/lib/python3/dist-packages /matplotlib/backends /_backend_tk.py	536	409	0	24%
/usr/lib/python3/dist-packages /matplotlib/backends /backend_agg.py	276	217	0	21%
/usr/lib/python3/dist-packages /matplotlib/backends /backend_tkagg.py	14	5	0	64%
/usr/lib/python3/dist-packages /matplotlib/bezier.py	201	170	0	15%
/usr/lib/python3/dist-packages /matplotlib/blocking_input.py	143	103	0	28%
/usr/lib/python3/dist-packages /matplotlib/category.py	86	52	0	40%
/usr/lib/python3/dist-packages /matplotlib/cbook/__init__.py	890	692	0	22%
/usr/lib/python3/dist-packages /matplotlib/cbook/deprecation.py	132	34	0	74%
/usr/lib/python3/dist-packages /matplotlib/cm.py	165	105	0	36%
/usr/lib/python3/dist-packages /matplotlib/collections.py	851	695	0	18%
/usr/lib/python3/dist-packages /matplotlib/colorbar.py	728	633	0	13%
/usr/lib/python3/dist-packages /matplotlib/colors.py	791	590	0	25%
/usr/lib/python3/dist-packages /matplotlib/container.py	62	41	0	34%
/usr/lib/python3/dist-packages /matplotlib/contour.py	743	674	0	9%
/usr/lib/python3/dist-packages /matplotlib/dates.py	777	605	0	22%
/usr/lib/python3/dist-packages /matplotlib/docstring.py	44	12	0	73%
/usr/lib/python3/dist-packages /matplotlib/dviread.py	493	355	0	28%
Total	**65393**	**49223**	**15**	**25%**

Module	statements	missing	excluded	coverage
/usr/lib/python3/dist-packages/matplotlib/figure.py	843	716	0	15%
/usr/lib/python3/dist-packages/matplotlib/font_manager.py	551	417	0	24%
/usr/lib/python3/dist-packages/matplotlib/fontconfig_pattern.py	66	19	0	71%
/usr/lib/python3/dist-packages/matplotlib/gridspec.py	236	191	0	19%
/usr/lib/python3/dist-packages/matplotlib/image.py	687	588	0	14%
/usr/lib/python3/dist-packages/matplotlib/legend.py	453	380	0	16%
/usr/lib/python3/dist-packages/matplotlib/legend_handler.py	323	244	0	24%
/usr/lib/python3/dist-packages/matplotlib/lines.py	646	539	0	17%
/usr/lib/python3/dist-packages/matplotlib/markers.py	473	382	0	19%
/usr/lib/python3/dist-packages/matplotlib/mathtext.py	1690	1334	0	21%
/usr/lib/python3/dist-packages/matplotlib/mlab.py	468	422	0	10%
/usr/lib/python3/dist-packages/matplotlib/offsetbox.py	722	569	0	21%
/usr/lib/python3/dist-packages/matplotlib/patches.py	1743	1320	0	24%
/usr/lib/python3/dist-packages/matplotlib/path.py	367	258	0	30%
/usr/lib/python3/dist-packages/matplotlib/projections/__init__.py	30	9	0	70%
/usr/lib/python3/dist-packages/matplotlib/projections/geo.py	290	199	0	31%
/usr/lib/python3/dist-packages/matplotlib/projections/polar.py	726	573	0	21%
/usr/lib/python3/dist-packages/matplotlib/pyplot.py	847	497	0	41%
/usr/lib/python3/dist-packages/matplotlib/quiver.py	468	403	0	14%
/usr/lib/python3/dist-packages/matplotlib/rcsetup.py	512	171	0	67%
/usr/lib/python3/dist-packages/matplotlib/scale.py	346	172	0	50%
/usr/lib/python3/dist-packages/matplotlib/spines.py	329	288	0	12%
/usr/lib/python3/dist-packages/matplotlib/stackplot.py	43	40	0	7%
Total	**65393**	**49223**	**15**	**25%**

Module	statements	missing	excluded	coverage
/usr/lib/python3/dist-packages /matplotlib/streamplot.py	369	328	0	11%
/usr/lib/python3/dist-packages /matplotlib/style/__init__.py	1	0	0	100%
/usr/lib/python3/dist-packages /matplotlib/style/core.py	91	39	0	57%
/usr/lib/python3/dist-packages /matplotlib/table.py	343	278	0	19%
/usr/lib/python3/dist-packages /matplotlib/texmanager.py	213	167	0	22%
/usr/lib/python3/dist-packages /matplotlib/text.py	959	798	0	17%
/usr/lib/python3/dist-packages /matplotlib/textpath.py	253	202	0	20%
/usr/lib/python3/dist-packages /matplotlib/ticker.py	1295	1057	0	18%
/usr/lib/python3/dist-packages /matplotlib/tight_bbox.py	46	43	0	7%
/usr/lib/python3/dist-packages /matplotlib/tight_layout.py	174	163	0	6%
/usr/lib/python3/dist-packages /matplotlib/transforms.py	1181	817	0	31%
/usr/lib/python3/dist-packages /matplotlib/tri/__init__.py	8	0	0	100%
/usr/lib/python3/dist-packages /matplotlib/tri/triangulation.py	91	77	0	15%
/usr/lib/python3/dist-packages /matplotlib/tri/tricontour.py	59	48	0	19%
/usr/lib/python3/dist-packages /matplotlib/tri/trifinder.py	26	16	0	38%
/usr/lib/python3/dist-packages /matplotlib/tri/triinterpolate.py	556	470	0	15%
/usr/lib/python3/dist-packages /matplotlib/tri/tripcolor.py	59	53	0	10%
/usr/lib/python3/dist-packages /matplotlib/tri/triplot.py	25	22	0	12%
/usr/lib/python3/dist-packages /matplotlib/tri/trirefine.py	94	83	0	12%
/usr/lib/python3/dist-packages /matplotlib/tri/tritools.py	85	74	0	13%
/usr/lib/python3/dist-packages /matplotlib/units.py	51	31	0	39%
/usr/lib/python3/dist-packages /matplotlib/widgets.py	1411	1227	0	13%
/usr/lib/python3/dist-packages /numpy/__config__.py	41	14	0	66%
Total	**65393**	**49223**	**15**	**25%**

Module	statements	missing	excluded	coverage
/usr/lib/python3/dist-packages /numpy/__init__.py	64	9	0	86%
/usr/lib/python3/dist-packages /numpy/_distributor_init.py	0	0	0	100%
/usr/lib/python3/dist-packages /numpy/_globals.py	20	2	0	90%
/usr/lib/python3/dist-packages /numpy/_pytesttester.py	48	39	0	19%
/usr/lib/python3/dist-packages /numpy/compat/__init__.py	8	0	0	100%
/usr/lib/python3/dist-packages /numpy/compat/_inspect.py	68	17	0	75%
/usr/lib/python3/dist-packages /numpy/compat/py3k.py	123	83	0	33%
/usr/lib/python3/dist-packages /numpy/core/__init__.py	83	14	0	83%
/usr/lib/python3/dist-packages /numpy/core/_add_newdocs.py	298	2	0	99%
/usr/lib/python3/dist-packages /numpy/core/_asarray.py	41	25	0	39%
/usr/lib/python3/dist-packages /numpy/core/_dtype.py	154	131	0	15%
/usr/lib/python3/dist-packages /numpy/core/_dtype_ctypes.py	53	34	0	36%
/usr/lib/python3/dist-packages /numpy/core/_exceptions.py	71	32	0	55%
/usr/lib/python3/dist-packages /numpy/core/_internal.py	424	320	0	25%
/usr/lib/python3/dist-packages /numpy/core/_methods.py	138	105	0	24%
/usr/lib/python3/dist-packages /numpy/core/_string_helpers.py	15	1	0	93%
/usr/lib/python3/dist-packages /numpy/core/_type_aliases.py	152	19	0	88%
/usr/lib/python3/dist-packages /numpy/core/_ufunc_config.py	91	25	0	73%
/usr/lib/python3/dist-packages /numpy/core/arrayprint.py	554	427	0	23%
/usr/lib/python3/dist-packages /numpy/core/defchararray.py	450	250	0	44%
/usr/lib/python3/dist-packages /numpy/core/einsumfunc.py	410	386	0	6%
/usr/lib/python3/dist-packages /numpy/core/fromnumeric.py	367	206	0	44%
/usr/lib/python3/dist-packages /numpy/core/function_base.py	109	52	0	52%
Total	**65393**	**49223**	**15**	**25%**

Module	statements	missing	excluded	coverage
/usr/lib/python3/dist-packages /numpy/core/getlimits.py	198	82	0	59%
/usr/lib/python3/dist-packages /numpy/core/info.py	3	0	0	100%
/usr/lib/python3/dist-packages /numpy/core/machar.py	189	178	0	6%
/usr/lib/python3/dist-packages /numpy/core/memmap.py	91	73	0	20%
/usr/lib/python3/dist-packages /numpy/core/multiarray.py	107	26	0	76%
/usr/lib/python3/dist-packages /numpy/core/numeric.py	487	341	0	30%
/usr/lib/python3/dist-packages /numpy/core/numerictypes.py	168	91	0	46%
/usr/lib/python3/dist-packages /numpy/core/overrides.py	52	9	0	83%
/usr/lib/python3/dist-packages /numpy/core/records.py	361	312	0	14%
/usr/lib/python3/dist-packages /numpy/core/shape_base.py	198	154	0	22%
/usr/lib/python3/dist-packages /numpy/core/umath.py	4	0	0	100%
/usr/lib/python3/dist-packages /numpy/ctypeslib.py	222	182	0	18%
/usr/lib/python3/dist-packages /numpy/fft/__init__.py	6	0	0	100%
/usr/lib/python3/dist-packages /numpy/fft/_pocketfft.py	155	113	0	27%
/usr/lib/python3/dist-packages /numpy/fft/helper.py	48	33	0	31%
/usr/lib/python3/dist-packages /numpy/lib/__init__.py	44	0	0	100%
/usr/lib/python3/dist-packages /numpy/lib/_datasource.py	219	174	0	21%
/usr/lib/python3/dist-packages /numpy/lib/_iotools.py	390	334	0	14%
/usr/lib/python3/dist-packages /numpy/lib/_version.py	77	61	0	21%
/usr/lib/python3/dist-packages /numpy/lib/arraypad.py	218	199	0	9%
/usr/lib/python3/dist-packages /numpy/lib/arraysetops.py	186	154	0	17%
/usr/lib/python3/dist-packages /numpy/lib/arrayterator.py	74	59	0	20%
/usr/lib/python3/dist-packages /numpy/lib/financial.py	143	102	0	29%
Total	**65393**	**49223**	**15**	**25%**

Module	statements	missing	excluded	coverage
/usr/lib/python3/dist-packages/numpy/lib/format.py	261	230	0	12%
/usr/lib/python3/dist-packages/numpy/lib/function_base.py	1198	1023	0	15%
/usr/lib/python3/dist-packages/numpy/lib/histograms.py	285	250	0	12%
/usr/lib/python3/dist-packages/numpy/lib/index_tricks.py	259	184	0	29%
/usr/lib/python3/dist-packages/numpy/lib/info.py	3	0	0	100%
/usr/lib/python3/dist-packages/numpy/lib/mixins.py	63	13	0	79%
/usr/lib/python3/dist-packages/numpy/lib/nanfunctions.py	278	217	0	22%
/usr/lib/python3/dist-packages/numpy/lib/npyio.py	879	810	0	8%
/usr/lib/python3/dist-packages/numpy/lib/polynomial.py	439	345	0	21%
/usr/lib/python3/dist-packages/numpy/lib/scimath.py	71	38	0	46%
/usr/lib/python3/dist-packages/numpy/lib/shape_base.py	264	205	0	22%
/usr/lib/python3/dist-packages/numpy/lib/stride_tricks.py	66	50	0	24%
/usr/lib/python3/dist-packages/numpy/lib/twodim_base.py	163	107	0	34%
/usr/lib/python3/dist-packages/numpy/lib/type_check.py	141	92	0	35%
/usr/lib/python3/dist-packages/numpy/lib/ufunclike.py	56	28	0	50%
/usr/lib/python3/dist-packages/numpy/lib/utils.py	530	430	0	19%
/usr/lib/python3/dist-packages/numpy/linalg/__init__.py	6	0	0	100%
/usr/lib/python3/dist-packages/numpy/linalg/info.py	2	0	0	100%
/usr/lib/python3/dist-packages/numpy/linalg/linalg.py	683	572	0	16%
/usr/lib/python3/dist-packages/numpy/ma/__init__.py	11	0	0	100%
/usr/lib/python3/dist-packages/numpy/ma/core.py	2435	1790	0	26%
/usr/lib/python3/dist-packages/numpy/ma/extras.py	557	464	0	17%
/usr/lib/python3/dist-packages/numpy/matrixlib/__init__.py	6	0	0	100%
Total	**65393**	**49223**	**15**	**25%**

Module	statements	missing	excluded	coverage
/usr/lib/python3/dist-packages/numpy/matrixlib/defmatrix.py	239	178	0	26%
/usr/lib/python3/dist-packages/numpy/polynomial/__init__.py	10	0	0	100%
/usr/lib/python3/dist-packages/numpy/polynomial/_polybase.py	385	267	0	31%
/usr/lib/python3/dist-packages/numpy/polynomial/chebyshev.py	361	295	0	18%
/usr/lib/python3/dist-packages/numpy/polynomial/hermite.py	270	214	0	21%
/usr/lib/python3/dist-packages/numpy/polynomial/hermite_e.py	267	211	0	21%
/usr/lib/python3/dist-packages/numpy/polynomial/laguerre.py	256	201	0	21%
/usr/lib/python3/dist-packages/numpy/polynomial/legendre.py	264	209	0	21%
/usr/lib/python3/dist-packages/numpy/polynomial/polynomial.py	218	164	0	25%
/usr/lib/python3/dist-packages/numpy/polynomial/polyutils.py	232	202	0	13%
/usr/lib/python3/dist-packages/numpy/random/__init__.py	19	1	0	95%
/usr/lib/python3/dist-packages/numpy/random/_pickle.py	22	12	0	45%
/usr/lib/python3/dist-packages/numpy/testing/__init__.py	9	0	0	100%
/usr/lib/python3/dist-packages/numpy/testing/_private/__init__.py	0	0	0	100%
/usr/lib/python3/dist-packages/numpy/testing/_private/decorators.py	72	58	0	19%
/usr/lib/python3/dist-packages/numpy/testing/_private/nosetester.py	184	165	0	10%
/usr/lib/python3/dist-packages/numpy/testing/_private/utils.py	815	717	0	12%
/usr/lib/python3/dist-packages/numpy/version.py	7	1	0	86%
/usr/lib/python3/dist-packages/pyparsing.py	3046	1770	0	42%
/usr/lib/python3/dist-packages/six.py	491	242	0	51%
Total	**65393**	**49223**	**15**	**25%**

coverage.py v6.2, created at 2022-01-19 17:17 +0100