

```
|-- .git/
|-- COMMIT_EDITMSG
|-- FETCH_HEAD
|-- HEAD
|-- ORIG_HEAD
|-- config
|-- ... (7 more files)
|-- hooks/
|   |-- applypatch-msg.sample
|   |-- commit-msg.sample
|   |-- fsmonitor-watchman.sample
|   |-- post-update.sample
|   |-- pre-applypatch.sample
|   |-- ... (9 more files)
|-- info/
|   |-- exclude
|-- logs/
|   |-- HEAD
|   |-- refs/
|       |-- heads/
|           |-- main
|       |-- remotes/
|           |-- origin/
|               |-- main
|-- objects/
|   |-- 00/
|       |-- 463adbbf530f0db9ad41aab6e4fe5378a16e03
|       |-- 5cffb3ff79d58f26bf63adffaeb2ee4d071b10
|       |-- aeb5f5a066bf7a404b63d8c39232efd2453d8b
|       |-- f2c9f7659cf99a0ebd7034acc89d93738f8f8d
|       |-- fb165880fe67c7aac00a3b7baaeaa4691fc042
|   |-- 01/
|       |-- 4b687952e6e5d483bf949f411cfa00367db7ac
|   |-- 02/
|       |-- 23812a881cfbd48823443d32ab730e404eb222
|       |-- 83a1a6a88e7b526eb7cfd796fa0dc29c7b49e2
|       |-- 9b6a8726163b9f3191d910509eb69f6a8b04ee
|   |-- 03/
|       |-- 266e81c92df3e5958f8d42ed013ffa01b1ad6c
|       |-- 543726ee1a88f217d7a0cfb1c82e9f95beaf2c
|       |-- 89da99c3589e5fa07a09240657753cc2bcc9c7
|   |-- 04/
|       |-- 184fd7026c0c1a9dec477447c3682a5234a190
|       |-- 69001ea9038e376a39ecebf031a43d90123eec
|       |-- b8ca034d6d5f21647e07fa93b27d78623582c7
|   |-- 05/
|       |-- 4248326d315ff4188c5eff61c8a0fe5d1a75c1
|       |-- f5f4758740fcda5569bd4c63f4a9563ace1e62
|       |-- f94a7962c99528fe1dce1adcd9d2311e92c812
|   |-- 06/
|       |-- 8b4774f3ffa27e73717032bde42902cff261d0
|       |-- a4a498702c2edd155e2cf14ba55671b0bae6a2
|   |-- 07/
```

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|-- 051c080984a5585334b97b7afc3ca318ad32dc
|-- 49a453ddc219ee865441e37c0ad4148e93487a
|-- 8455788a2faf44146bcd64a9a6fd0ce08675a1
|-- e69fca336cc2be6c4f49570c4ddfbfd8847139b
|-- 08/
|-- 1ab16331c51af9f0ea2cela8e30419cb097bdc
|-- 28fed332b8d1dfe7505cca791c56bf02ddf5e8
|-- 3445f3511f9861eb6bef1c1783f19ad1a6e754
|-- 09/
|-- 2c63e4300f95c6d9abcfcc45516823054d1d77
|-- 62dbf75242b637b470d35a1155ad77d9cbc857
|-- c9e2e2d791b88c533029e6cfd2c497ec67bc3f
|-- 0a/
|-- 17059dc66bbc941d5a88233d676f1d36ae9d3f
|-- 0b/
|-- 13e1fcf23e5537c69deba07afb8b175a5aca6e
|-- 4ee2f6c6d9baa051beb9f1639f4cecc7baf28c
|-- 0c/
|-- 375fff30122fb1e8fa99b7b7cf43eff6afc881
|-- 6ef55616bab00e448c4fdbf959511d2bf0ba14
|-- 779271754ea440ebc4be06ca6e677b7ff32be4
|-- fd48f41c38b433d10112f07a36c564fb3bbc3b
|-- 0d/
|-- 2131879db5fa7a483cb0886fc5e0f77627f4c1
|-- b4ca4b4d25d68a4497220353592645ca4f71bf
|-- 0e/
|-- 00ebb105e98b717f172add56293506d0a45fe3
|-- 4321abffed62ffa2f86eff6eec387cec5ef947
|-- 596e4140c1f8d8077eda13fcbbb670105885a9
|-- dc1c80b708a578f5a54f0a75483a95e9a13b30
|-- ed295f31f94a407fb5dec37032af544bb03231
|-- 0f/
|-- eecff63762fc3d5ade801254a84ab87656a221
|-- fc28aea6a8586eaf8d4f897df35b4ca1263e72
|-- 10/
|-- 118aa7fa98e8b8409ca9f8d2ce2b5803a42c97
|-- b99a5b0677c56ee8fb630b6cd932db9aa09f78
|-- c84295f389c335e05bd8ba24407f509bb3e410
|-- ff67eabf1f85e49addfbc3829091f6adec2943
|-- 11/
|-- 2d372e72a687a51a9450b87c26fd3e8182e87f
|-- 56de8ee28ec765fa49b9f88225177d0b48c30d
|-- a14cdc9f10aaffe5cfe1cc2f88447fa86d82af
|-- 12/
|-- 1b9742f9a024114f7c57a4afb9c7b8fc7ee92d
|-- 8ae82fa89a7ce84dcd9cbc5edaeae75a2518
|-- aeb97725dbf57ba3bf22937c14b7f1c19337a0
|-- bf4d150b28f7e01c8235387df5e14b1b780d11
|-- 13/
|-- 25064fb15f81258d966ad6aa58e575aae4113a
|-- 14/
|-- 0ef25bddb3f1679a607ab2e3cebd82e19bea0
|-- 28690172c75b70440cfa7d6b511326e6a8050b
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|-- 375a7b575a5c0185cda5fa85b248c6183b89a1
|-- 9d6219c8ac29b515c1a70198d8c62db2086d06
|-- df805ffaed15996e049f31f7dfa89e854b2999
|-- ... (1 more files)
|-- 15/
|-- 3829a6e80f4c6c7220cd539182761d7b1a61e6
|-- 72ba58079e10980a57bc5dcc9fa27653d8d349
|-- 8326841c148d23bef5732a35a5bfd95dec81a4
|-- 94c247b6c74f5ee6c8aaab7e4e7c9ba75dba35
|-- a2a57e74b3894920dc5150f6c3c4b33ae24585
|-- 16/
|-- 591cd11bae44c90f161710fe46cf7a2203ab35
|-- c381f7fb2c4d8220ad181c4b1ddb84ca01b157
|-- 17/
|-- b1eaa5d3b2b360316eccc6fe5192a8736d56fd
|-- fa5b6d7c80f92c8fa9df954c5e002222e43b60
|-- 18/
|-- 146a1a0abdd9a45629f551c660aa11615c4a70
|-- 17672384e0a532ab5c43cdab2b02900e66853b
|-- 651f71ed4852b25c07a0a363bb625868954ac9
|-- 19/
|-- 3d335d7d6bef55d9c61aa77f69c1bc45e3e3c2
|-- 1a/
|-- 1895fdf360691bdafde40f1dde71fa0df72e73
|-- 997f07505c410f18684044b3354a2eba7a7d90
|-- 1b/
|-- 632bfffbc20bf5fc8a2d227a6d6b08a5dd8226e
|-- 697fbfbc50054d320bc4d75547adc253a232cb4
|-- bb05aa4bbea4566d771858355bf227b3f219b8
|-- f76a303796480b02e172d041a25c9e0838b91a
|-- 1c/
|-- 9b107a2d78b3892dae8312e1f063c26ab0e126
|-- 1d/
|-- 1553673cfae57040a164c3a411ed0fc7fd9af3
|-- 9d9585afaf91bd0aa951d41587524a6c063bb0
|-- a6311fe69a7790237f393a922b374496691b31
|-- bbe91fede18f88309faa48a4a8eeled6205a58
|-- e6a8c95e46db25bff871d8f001b04088ee5922
|-- 1e/
|-- 5d144338d80b7b86019e038a9d6ddd8e5db546
|-- 1f/
|-- 4004999dc97887d448a7ad43a88960c36709fa
|-- 20/
|-- 153e8503971eca9e860594d1506166259ca928
|-- 513779c99145751462c2fe0e548f0a4869e991
|-- 99827fd96f7f38562cad18fe8663a3c9b91d95
|-- f1b82be7655f2b39de5438dc3d048da70a0d40
|-- fbc668cc03f1f44792a2acd37fa6e6fbdeeba
|-- 21/
|-- a6f8589ae71e1e381a553d0f0210e86abb0ea3
|-- c057287af72c174e29d819a26fd8f8c5c14c34
|-- 22/
|-- 5c835a926cd4b3f2fc8a290aebbb88e9fa00386
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|-- 8e0e6ff376b0501ad5a8579839442c1289a96c
|-- dee924847d606de052fedcd5702b70fe4f9599
|-- 23/
|-- bf88178949ca05893567c4a9c6d0cc23079938
|-- 24/
|-- 328becf5441f3fc066811136b7af2d0ec6e211
|-- 5169b83eb8df18bd0a11b6b6c78831c80718a9
|-- 5e50274fe307a55a4945d408a88c1ecfa38a43
|-- 79a6d4c21433b147e3fe2b7676452d76c715b2
|-- 80fc09d4f6fd526b23e134cebbbf1fa983b7c5
|-- ... (4 more files)
|-- 25/
|-- 519a866b3050ea81717e2343f92c6b0a277fd1
|-- 26/
|-- 4bef0224eb7e1619efc5a80fb7a6ccc9af1c1a
|-- 27/
|-- 5fcb5d2a055ec4c0cfc117e1df3dda7c09007c
|-- 28/
|-- 27a49e9bc8521a6a1df01d45c195fb7e7116a6
|-- 3cf68140c80da28a6c40571f563abcc9a38f7d
|-- 720f02a1a66aff0c89bd58312fad5a5a6fd00f
|-- 814a54c36a2cdfb597162f9a7b7099b855d4f5
|-- cae798fe9da8f28f8b0782e29def7cc7fdb7b
|-- 29/
|-- a4ff7a2df774e1ec2382cd892833790028ceef
|-- e3a2f4d7d1ca63fed92c55cf8e8350aad1f1b2
|-- 2a/
|-- 0b15ac510d3e290e4d167f62719ed60725aebc
|-- 51077b3dbfaa06f5bebe58a14bf31856997931
|-- 700b4b0d5c2c5b6b0530f49d9b930b9ae16688
|-- 2b/
|-- 5869956c1b6f2a5a187a52c5ea29f9261bdd01
|-- 2c/
|-- 24970cfe5b81fcd46c86250714388cfcd79a0c
|-- 3cc8bef19e93107a42fcb6b8c74cd8bc385ac2
|-- 2d/
|-- 2303ca5204edf30aebf8bb1b517f0dc1040493
|-- 3d9df0298c2c31b8517449ea58fd2b5688dbd5
|-- 586fc6726bb9abfe9a169873ee931c587a296c
|-- a8a0ee0ea704dafc29740aef7bb3f3945b5ea1
|-- 2e/
|-- f27d4eaead863931e9e9a4fdf6381a10df4622
|-- 2f/
|-- 9d3aced5690d7a49e8bd35ea9445fce75d1922
|-- cb4962e6a5762103438f1e8e5ab2731966df8f
|-- 30/
|-- b8991f9f3e008ac834ee1b4d59cdc11572e3ef
|-- c5b9ab2bc8bcc2a90b5bc2d3fd6681cbee268f
|-- c729c012d270e7246481d544aa30ea51d86c76
|-- 31/
|-- c8160fdf4cc3276018938273a8a2d9a28cbfc3
|-- efc32a421a8a15ad66e6072d924dc7a5693beb
|-- 32/
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|-- 2c4c684e6a168292a5cbb960b126c0e9094702
|-- d09c31589cabcb3962cd03875d74eaf373bda6
|-- eca08e142bdb0ec12073b426a1defd88333d9b
|-- 34/
|-- 54c44f8fa6e838ef963482e5d8e355f8c1a7ac
|-- 862144bbc5abd76d8cc41fb93612806d870994
|-- 35/
|-- 4c3ab3ebf5cb51698003f2a13bb083f61a2b5b
|-- f8b5ff86022265d9aa2ebc5bb6cc7a7786eff1
|-- 37/
|-- f059a4466cf920c24dbeec0b928e4df454b16d
|-- 38/
|-- 221687e3f84cbbb1b3662028dc7b0be9ddbfc
|-- 5e7bf19cc2b08606ae5ef1f2dd899b71c728ec
|-- a0a11e58186486eaae8dd5d721cf6b851b6400
|-- 39/
|-- 3eac57a680d8916c2747b5c437aa6d67fd37f4
|-- 8092e663f4c9ec459ded1633240d91d8544e90
|-- 3b/
|-- 6eec3ffa6bfd808e6d8efe5b50920b8580af6b
|-- bf8c2e3e39e381fdaf785de169d11ceadb54e9
|-- 3c/
|-- 14df7f76cd58793696456a48ef57444b806ceb
|-- 3d/
|-- 6c55eed5af41fcc166f63115172761d7c9b11a
|-- 7ca0c46d4f0942eb64f663b8d5f3eald09a77e
|-- de31f7e1bb6e92ea50843995522780a99e6519
|-- 3e/
|-- 4be8e74dc7a829e072bdd1f3508056e4bda338
|-- fb4b1d54861158b647a37d74c232bfda4f5e09
|-- 3f/
|-- 1901afb18b5c2c46410b73e16641bd0ec83bd9
|-- 4ac0ec6c86df1d0e69d1c85e9bfe9511f30a37
|-- e2663bc7c65e308e31bbd9c7124b75c50d6b3d
|-- e4255527ef2f845e095a3a562579e263492a07
|-- 40/
|-- 9fc6f85aed3836abl73e43bdb4fc6c4e9a41b
|-- da7a93058792f25cbc432bbe9c96429ff477a4
|-- 41/
|-- 0604b0f9ae316830f7ecc4d9094bc371ac89f2
|-- 6c5b409b6c83ea132771360f0e0e7ecfdb95fd
|-- 8c7e7f3cd40e253307cece7e20fa5d641dd2f0
|-- 99085ac2b0f81fdb723480991910e74f0e6347
|-- e845dbf660976b87f897054433dad8e69966c9
|-- 42/
|-- f30503d596bb5b5e6d859b5e62b1c79b62324c
|-- 43/
|-- 6eddbb5727f21f184f7837e258aa824392130d
|-- 702dabf8c05cbc6451fcc0e4109a8d1b175c40
|-- 728ca626f72763f937db52a5eedbbe59ce4f37
|-- c99d1c3cd3b258952d0a197975947bb242a267
|-- f3cdb0783dec3fc57fceb0352744b73ad9f6c7
|-- 44/
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|-- 26ffa445f16044a2b2a4a8cca15a92ba8a0e7a
|-- d178f14a7e81433eb1eaf87f4f9526963f9fc3
|-- 45/
|-- 307cdd92ed772f6fbbaac28025e5ca0f0fd89a
|-- 5a440afd2bbd7854669e0c3f266f5788abf320
|-- 77e22a1ae74cce5d0f993e27e762d9a27f7c95
|-- 46/
|-- 6274fdfa5a402db4a6fbe025d170aaaf5e12d9
|-- 9a556cd57fa08732f065ba69cb86244b00af9d
|-- 48/
|-- 12686dcf93785794ff332bba7c3ec0599f6d32
|-- 49/
|-- 616a9bb8b5d22c86333b3de77390ee8b0883fc
|-- 4a/
|-- d9af21191aad45c4b3b3397120a2d43875ca35
|-- 4b/
|-- 149540099f496f476ae8f85889abe3c36286a9
|-- 25535a293b87ac5ad8833e6a9ff9d1349b42ca
|-- 2ecfe138836db2d92bcfd970a52f977068d64b
|-- 4653aa064826f284744ec5c38aa11ccec4e437
|-- 734fc3e399f3eb1572ac97c35703ecd81db36d
|-- ... (3 more files)
|-- 4c/
|-- 8d0f9d41f404c89bbe5f80d41fb9443bb73e48
|-- 91ae26e8583adb56befc18e485daa69b7ec0d7
|-- 4d/
|-- 498694d7b5dca356b9af0f1611e6d5b73f593e
|-- 57c6c0615e36e3fb01a262df798333e5dd7fb8
|-- 8783abd3df9e30fb7e64768e8e802296eed483
|-- ed8d2d0af5835646641ed263cdf755305de0fb
|-- 4e/
|-- 56be7e71d0e2a904e5d0d9f3b9162fe562c341
|-- cc9bfd39e607570bd465b43a6df9e246d37ea0
|-- 4f/
|-- 2c55c1584e26a76d8f79dc8075ba128e251c72
|-- 3f3c5008b64ffa4aba86b5d9f981548cdf5d13
|-- 8d271751e448a0f64a2fd9b18c4b099d7b4b68
|-- 50/
|-- 186be912d006b35a321493f1280b2c203f8916
|-- 5a6987b560563d757383aea58067fa47fe0d3a
|-- 9476a1c9c143ee25e0b3fc23de280be41918b0
|-- b82bcc98dd209835ed943c40e277ab327ece93
|-- f8f137326d9a5e9caa66d49e12651877cc6451
|-- 51/
|-- 8615176d1d7bbbb8200ce0f0bec1ff162e8638
|-- 52/
|-- 8c9d629100cc087a257a8dc766fa3d46efce05
|-- cdf3b8b9af66e3caf84839ead90899977dfebd
|-- d50a8e64e1838c0191d8f0858c7a1e60f30177
|-- 53/
|-- 347729a6592fb9d9f1690e595cab8e9c32c56d
|-- c6c4071d5cca3abfc178d52ae84d625e581e16
|-- f7c445080240d047bd6a5fcdf00dfa0ff401b1
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```
|-- 54/
  |-- 0a9caf1f94d43dad3f4a8196f4f55c055feff0
  |-- 3fc15dbbc9d120340cf30b1b01df7a28384762
  |-- c6ac95a436529c9df32d48cba32d1a7ef9429f
  |-- fa0ba5a4d733bd143dab23f8014ce8a4dd47db
|-- 55/
  |-- 0909a16e8cae6da57516ab2280dd1380acaed1
  |-- 66a7afcbd7f26ed8731d26248bc2e053b07fa8
  |-- f782a47d29c0f1d3c51724b7aa14e971ded9c4
|-- 56/
  |-- 2519eb77e571d1bce03bdbd5fdeb4ea98e6312
  |-- ad1520e80a8a26dc961d25ababelf8ad2840c5
|-- 57/
  |-- 176fb5f965a388214e21e2f5ff4e7fe98a36f3
  |-- 30e6288d957adcb13d1364e75b47d192b09e71
  |-- 65f44e4de0098ca0536b36a661a305121421cb
  |-- 9647787cf1e254f52c51356f31664c896990e8
  |-- d98d961503a1204dff16d55f600f478e119973
|-- 58/
  |-- 6665ea5debe87f0b0a2e510e59a3e84cbaf0b5
  |-- 7f1f476f6c9d8f6a1fc04087fbcba1d8a956fd
  |-- c4b6fb11d4f25c52ef15d7d967895693d440e1
|-- 59/
  |-- 2a796779d2e5348da70685b81b99e795b8e8ec
  |-- bb026ccfd2e35a0744d25dfdbb7db56f1872cd
|-- 5a/
  |-- 03ba4e31d3cc86d8b5f0441b168aed0a8cb8ba
  |-- 2f4af6db546e195562853b1156c74fdad228f4
  |-- c49efe8bdd9a254b6e198ee912f0c924c53e3b
|-- 5b/
  |-- a127a7d0ec29a357aeb1b2991c42290b7697e88
  |-- bb87b393a02fbc0bf050f9c2c4fab2983e8a6e
|-- 5c/
  |-- 205ce0a8de219d1a2d1615b60cf3c4aa47fc7b
  |-- 7afb79c448bd66413279576594f2cec82ea350
  |-- 831c86c3afc0883ae7634b679995d0ffd3ace2
|-- 5d/
  |-- 3c770d2ebdd6c94761fa195174e4e637347c82
  |-- 88a9f958cdae21f7867927b744fad495b7855a
|-- 5e/
  |-- daee257ef0180e80757653daf280a9f8784c96
|-- 5f/
  |-- 0ce0a98229ec89bd26e23cb113253534dfd267
  |-- bec68ed74267f24cb5e49977b4417795760989
|-- 60/
  |-- 09ef622780cd2656504fcf370cac5c4b6cd5bc
  |-- 2030ff035af5770caec124f828a65f0a9804e9
  |-- 270d2a466fd392206ced5a018c84ba96b938b1
  |-- bb9d4520c3fa42b85bccd791f4e7adcc0b82dc
  |-- f6988f527e2ffcad304a8fc9cea0acd5dacd7
  |-- ... (1 more files)
|-- 61/
  |-- 7008908436daeda321f2a338c834d231accad6
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```
|-- b45d5a31b95bcfcd7ccad4e3e868bd322329f1
|-- c532f4762d3075b33b36ac60c14abbec0ec613
|-- fe56941214080ad8ea19b5663bd1dbc220f35a
|-- 62/
|-- 1dfe2156920adc00fc388893f8acacc755c51d
|-- 23e5b2a451da3e0a6cc41f5efa56804alded03
|-- 50a7f1650a96fc6bca906874c631f7f54caabf
|-- 63/
|-- 93fa779c1f5a9a49b382e005d1a7a89fbb1f54
|-- a64c094321298c7b1cfef29bd81f1084b73dcb
|-- b2bdd347af8c3afd9cb07bce7d2a4eb40ac95f
|-- ce3d8f0be66095d5e4be1300be05067bdb0a77
|-- e2d74824bf3d4f2463709a2d2ef036280d702c
|-- 64/
|-- 38ca62d7c1c728927a049e4fad0cf672ba0de0
|-- 6878fbe83d833d4ba1737b2f5b855de1932ee6
|-- e5150795885525981e5e2e20a78c2674cdfec0
|-- 65/
|-- 9d63b9f23f7d3128745eac418593f8ed03e1f4
|-- b72480b7ea3a3eeb16d7e4a38e00e429ba0feb
|-- c5eec5ddc6586c23c75c54dcfaa25d1066d02b
|-- 66/
|-- beacb4746a13487154571cf936e490b16f2326
|-- 67/
|-- 07b47c80fd2ad0f337e5f50a3fc82117e79754
|-- 4528b182cecd1e0154a602bffd3d310feaaafb56
|-- a7ef6ddc7fbd6509c1191998a255cf1b58aaaf
|-- 68/
|-- 08886ae40ecccab8cfbb5b8e63955b04845bb8
|-- 7a1bcf7123c65c95d42dacdfd0f357547f7877
|-- a00957476975d6a97e5ca25d2e5adc80b74f08
|-- dda6e48b2571b9a9e911a4410126e8414d730b
|-- 69/
|-- 518709bc2cda42788554af7c7b09e7af3a292c
|-- 882563906b40e7ce595c37edc08998e1586567
|-- 938d522fa476d7f3855a63e77d4c6a0173c0a0
|-- 6b/
|-- 7fa43ddbf4899fd35882687caad0a7f1f2464b
|-- b4adecddc5fb3a41b4437a23255e61f848b25b
|-- f81a05637789647ae197cc60e31f4cc064cd76
|-- 6c/
|-- 8e5140be66838181ca830cdbc1eb83d7071718
|-- c88a3872e695ee3b37de0da976e94077a30c34
|-- 6d/
|-- bd7ea527ba55341d2c5f09250bee2066c7f646
|-- d36909ace45277e60aed7f92ee4c9d99c58ac8
|-- 6e/
|-- 00a9c8d8e2e4779f9d8508470e0a57681c53ee
|-- 71081d0d974e45dea8e77ca160fafe0efd7534
|-- 8bf80147983f5c4ec48028898c2d237bdd4464
|-- 6f/
|-- 1e3bab2b1eca41db2c620609419909adb09a52
|-- 8f8485fcd456e926fcd936247935f79019858b
```



```
|-- 70/
  |-- 193c7e603fc039cff63742c1bedc7a435660f4
  |-- 691e5d7d7f08178582da6b115e6acca0bce9c0
  |-- c5a93a4bc4cd5a8a198bdc000a25eb560a8107
  |-- ef6936b0549d5675fbb5ed0f058f674ac6086c
|-- 71/
  |-- 03caf70eb976f911d5eab320131aabb4756fb2
  |-- 20d6348c83b1b8efa993ad8bf2aafffd4536c5
  |-- 54d00912e61014a0e3b7b1fe3440e8f89b5c8f
  |-- 825b1cf3dd04392a0b5929b4ea9f4f8401aaab
|-- 72/
  |-- 5025812d42e503865143d7a1ecb22647e839c7
  |-- 505bcb51aea8287e710dbfcd665ea16c7a11fa
  |-- ec935f405444df6a78a4d90112b9b39bfffce5e
|-- 73/
  |-- 1e8e0a1bca62b099807eb76d76c82e3822fde2
  |-- a3e87357209a280ba02eac684bb684c46a4ac4
  |-- a8306e6846aa4e78ef9007add3f7a29b20c983
|-- 74/
  |-- 027ec96db019fe4a1493817172f69682f5a782
  |-- 10d608e71fe405cf9b86f51ff3e09659614026
  |-- 67b8a62ab8aeace7f013496b63e45c70534355
  |-- ec16c6626640e41abd72e6289965f215f64dd5
|-- 75/
  |-- 55456676d4b5e09a54d4e37455014a1e0ea829
  |-- ed804c00f9cff0944da59318729590b96edf79
|-- 76/
  |-- 1f47b89f751cfb558ff9596b5550b6030eaf9e
|-- 77/
  |-- 9f49701e7bdb8452100d1a78a7e4f96dca935b
  |-- a4e069b2422b58256cde814d9f0e43d5cf3968
  |-- d9fb17138b987cc62a90d72b7b14bf57a17ad4
|-- 78/
  |-- 56572fb7eeb49d25df1084a2236914ee129b11
  |-- 813cdfe6bdb6bf8d1cc7d8be3cd6b2677586bc
  |-- c48bd0a727f8bc2d48fabfa3c2af69224a0171
|-- 79/
  |-- 8619505acbffd6375ab9d85f5d779d315fba2df
  |-- 979d4d0df33b54f2b0ebd0b8a9c2e963a5724d
  |-- bcce9a1267d85093465b4941a3183946d2dcac
  |-- f73bf40722b192170ed62b454d20cbefc0877c
|-- 7a/
  |-- 51622de43f023ada7e3b411df0f3106d36f7ad
  |-- 66ed9b916313c9c3f22431b20cf6ce45325a06
  |-- 8bc7a21b6fd59e2c7b1744b833577b25be5d60
|-- 7b/
  |-- 15a77dd93147b70d9da0fce53f8f3592666b8c
  |-- 3d5318e18d07bacb87380f095a855b118978db
  |-- 806f3c28897d4e722f3d14b362c33b9227415c
|-- 7c/
  |-- 1fc91244e999b7a5064b950ce9472c593430a7
  |-- 606d1bcfdc1b7f7fb6c988a87695bd8abad4dd
|-- 7d/
```

```
|-- 1b00b7a82e283828292c63e56a7ca01aa04d0e
|-- 2d97fc361754e31865398d5c0c987c04c5627c
|-- 77959dc819f794635d98542cd305924bf0cd16
|-- a9b2fc8015ae62f5d21c7eb53a6dfb1719fae1
|-- ef917d2c31f7b558ff591405d5dafd58adfe9a
|-- 7e/
|-- 0ac447f32c9825d7f4b6ff13ac79bb92eb5ef7
|-- 1a76a15112915af413d4538d0e1ced887bf630
|-- 788e22f18a051ceb9cf62b504262e81804a757
|-- 9f1ad772b73238af6aba4f3145c60b5c1d1ff8
|-- c71c97e4ca6ebe552d78d4d227952e2d238568
|-- ... (1 more files)
|-- 7f/
|-- 49e86d31ed1909e3ad8bcbfe2b5fa600e8e11e
|-- 55ede0bc6210a70e00812eec7c6ff580e0bb4a
|-- 80/
|-- 03ce19a53ef6412b75a5431e2cb79b56d4a63d
|-- 38dcede5a5cc21373cd5a458187bbf72c7e916
|-- 81/
|-- 3dd9749d274bee763fea99a24b4eb23b5c80e0
|-- a53a22321f2a8a57698b5790cf243aa14e4757
|-- bb5f942d827a130a0260366eb8ac77c6accd26
|-- 82/
|-- f4bc7a018c01f2768b66b3541cf1362aeca58a
|-- 83/
|-- 0683de8a12f7fc6cb3915af5a688b33fb05cc4
|-- 3db94f600e4c7f3fbefd01896797a60c8a5f8e
|-- 667230f76a5ee7b7684fed4c69eb305b030b3b
|-- 84/
|-- 58f426836f740b4c01df39059c128bb36a9e76
|-- 93c0236c920f217f1cc44b1937d5031396c4cf
|-- c4854686da69a7518b0de4d77557d603163dc4
|-- 85/
|-- b233885cba6bf1f491c9f507698b7a41121ab6
|-- 86/
|-- 05bcaedc61ab43b053f23ad7efb7d584559c07
|-- 33f69fb3699664aae599af00e7770f4b5d5285
|-- 5fac75ce390a34ca4efd16ba9dc0454fe0c837
|-- d097eefab9796bc1185f036e0a96ff5a4c7eaa
|-- f66d66a47078b93882820a911520285f828efc
|-- 87/
|-- 11855cfc0ce0992d536034f2f86b74e8a9f4a3
|-- 917f8a1a7c02fc626433b04cad1c482deb78cd
|-- b29719052620ba96996f55d6042910d7fa7495
|-- d14500a36b2fb8c2b2129782caeb3179b205d6
|-- 89/
|-- a5eb1717d06b6ea70d7a8e63ealc3bcc00f5de
|-- 8a/
|-- 3ec34d4f0bf3b3f2b28b4d8ce73ca006fb1ab8
|-- f5f0032c8aee941a0cbeb0c03f24c94a2e5672
|-- 8b/
|-- 093748fab9542a086b12a880d35aa9ef521ba5
|-- 2f9cb0812b5fb944a9a3c0d13fb27c1fbbc679
```

```
|-- e27c59020036f1501c9548e9679858ee6ab8b8
|-- 8c/
|  |-- 25526ebc135f4a6ec1857e330dd789b88d0fc5
|  |-- bbd5980a99a29cedf5e4a12bbaeb7680d5009d
|-- 8d/
|  |-- 95fd59780eda7574886570f33f7acaf2a81135
|  |-- b7098521aaefdbf2f794b39aaf4fad053c81f0
|-- 8f/
|  |-- 202f5ed42463a14bb77d3da4c3487cb673605b
|  |-- b8f110aa8cceab2e2fa6fe2d95ffcaelf9f55a
|-- 90/
|  |-- 8521a1f4ac424c475dc293ffbf17f3294d892bc
|  |-- 8a0fadd8b4fd1134d50bba933144aal943f9f0
|-- 91/
|  |-- 1b388f03c2626bf2907425376021cea017415b
|  |-- 6b5fc01cd85e6f45f33d2ccdd683e664c329c0
|  |-- d50c9e4adc4ded5c02b73a83e150675f21a3d6
|-- 92/
|  |-- 16bd54cfef763b9b87069f142d7c1f7be43b1d
|  |-- 42ea0c46a03d28e16065c68728694e735e424b
|  |-- 76c0ffffff49c2446b3a537dc1bcf0bb4bd06d1
|  |-- f9b261aa4dccda8f05a8011900fa556ee20b6c
|-- 93/
|  |-- 3701e5c2ce486b06a15d85d3d5ce01ea2d6642
|  |-- 59a9d7a13ac82df12d509ad6727263eaf198a0
|  |-- 8f32d015c19bfa20bc340f5158daa387a879f0
|  |-- ae5fbd4560b96ca55eaaflc1c64f132a7cd3b3
|  |-- ca68363dd5fc329044bb6f4885560ddd17c583
|  |-- ... (1 more files)
|-- 94/
|  |-- 98dfb985a2a422e29aa05645a7ea658a7fecc2
|  |-- c74fcbbfffc68a47edc897214e8e3d5267209e6
|-- 95/
|  |-- cdd962b4249cd304fb4803e79c18f0ca496ccb
|-- 96/
|  |-- a329641eb0269472c8b597dbc9176fbf55584b
|  |-- f064924d9381494c30afc0a36f46bb29f9d386
|-- 97/
|  |-- 3ea082f5952d9286ae9f515ef95306804eaf46
|  |-- 55abc39d31f6313210e6db0fd9a8ac9fc9426a
|  |-- 656eca00e4b3b898769242e4d19bfbfc059a5d
|  |-- a8b3022f2de70453e1c8488f3a92a530f52df5
|-- 98/
|  |-- 7234a3c8d73e025f3714b741150f2abc6bb635
|  |-- e90afa2d526dc8c6277f5c6fd35a45a82dc9e2
|  |-- ef350fa72519aff948930854d2dc5d6692652b
|-- 99/
|  |-- ae0b0bea1847fca30d4e61ce61eab79a275196
|-- 9a/
|  |-- 160382f83cfec0b7bcd07d6355a31790fb9f9
|  |-- 9391f47373ac35cd59c28286elc022a8f64d4d
|  |-- bafdcbe93f17a1ac95148ff822b31935365473
|  |-- cdf1ce408437fd0b9c0a9af87632ea1889a11d
```

```
|-- d6415dda288fab45d0742de5ff5cd92c33250e
|-- ... (2 more files)
|-- 9b/
|-- 28a838c01fc26268b897e2c90586c0600e0adb
|-- c07c643779d0e99cef81aee74b15ce06a7828a
|-- ff33aed72f6e90cce6212c1a50df9a79b5917d
|-- 9c/
|-- 5234043d70afbb9d04696391c652a6ab23e3a3
|-- 54c54331dd7afc4fdfdcbcf0cf9f62b6c2139f
|-- 8c7498fb8af82c0144d3c8a360f5b3c5a13d7a
|-- 9d/
|-- 4d9fe2b879a264b1e710426f381dd5c51e5b73
|-- e235d92f911c81edb63d229991163c2e58616e
|-- 9e/
|-- 24697db01d02f41870dd36b0db844bffb103b7
|-- 25fed3128ec81359d876fe9ad331d86ba09cd4
|-- b837ac438589469944ba89793e0f1a8f22fe11
|-- 9f/
|-- fb78f53ad72e9725a057cb522ca3faeb9b08ae
|-- a0/
|-- 29687a8d5529663afabca9adf5da6dc21b59e7
|-- a1/
|-- dd6628e84f69884bf45151e5affccd146e500f
|-- f60b737a8fda40661699e2d0a41ad02a372ea2
|-- a2/
|-- 143c2366bc29086eb7e83ec5966e3c08f8e2e9
|-- 1f965325c4a4132745370ce9d948ccd52590fa
|-- 905c232c0a5173479cbfc4b9777d370b8cf7aa
|-- 9159c08ea776a7b1edc56dda0e40a324c6c874
|-- a3/
|-- 3ded5854ef85254f5462940915b2ae0f8e879f
|-- 8f9204fe677502e2ec90777bae78f2c6cbc423
|-- 94204049d814d14dd8a362132f8202fa5aedb8
|-- d0eebd4837c5f49045999812085eab1b1bde43
|-- a4/
|-- 3911f14bccccf962c1572f3d30693606fa3768e
|-- b41a9d8823a6660dbaf9577b8bd363da573ebd
|-- b8c9187920e2fb4f95a2b89d078924e09c2313
|-- e90b9b21f96360ff7be03c00600f37f122d482
|-- a5/
|-- 6a12f027eed7b5cfc02f7cdbbf305a9b5f57eb
|-- a6/
|-- 08e9560adf7e27a96645944ae3cbf8c83b87f3
|-- 4136a327fe802c37c1a3ee7a40cd08fe343b21
|-- bc6bee0175356a99b26e0fb6635e803dd475f9
|-- a7/
|-- 0a768ee0ba249727404eb214b20c1fd226c443
|-- 24a4fc8e9c70903fb4ab83f811022e396f8d4e
|-- c59b55aa49287733382fcea9b5041eb016c35
|-- a9/
|-- 730cc1d575566fbb74eeb5bf4229aebd84d6fc
|-- 7563a9db6b1804ba8b1c44b8cd042c7c3f1580
|-- aa/
```

```
|-- 6cc479f9ea6ac2b831231410388823334b9b03
|-- b4c44162bd48c942ab95a2459c4228d691b67a
|-- b5ec83be1a260dd6aec665b657de6f2a556861
|-- ab/
|-- 608270a29d41c3b4c987c24b8241f41b6df93f
|-- 6f481b3bad9f21d7087df876297fcf0b8d44c7
|-- c7cb581baffc0210ae222037e5ffe2ccafe051
|-- ac/
|-- 1cf1875ca5b781b88d56dca82cfe7f05a6c793
|-- 5f8d245ff9ace677ab3cbf86b1c3eb8507e43f
|-- ad/
|-- 7aaa2fef7cca2f032ba12dc0ca8bdbfb62d8a6
|-- 8069cece3d9ba3e5df7354215dbd8e6eaa4975
|-- ae/
|-- 6a14a55b87a2804ca44d752422c3f317650bf9
|-- af/
|-- f93cc29aa33c941272af945dlcc88a47b5057a
|-- b0/
|-- 34dc238873cea73fac544a016e2a9a34383df1
|-- 8a982fa5d55825fa2ff751883fc39229f16eab
|-- a30e7d2c71b5596101e220b7b668d1e84f30e4
|-- b1/
|-- 060979fa28367816979429bf771639ba44c7bc
|-- 089c039e8422aceb4fc93d65c4ce62206cff29
|-- 1206472df86c6ad8e2a96346df18d0491b3fd5
|-- 715702175d30d6e8d59f79e2904b739bd17cfc
|-- a7d14b4f6925ce0485fb5d414217f8f6641cbd
|-- ... (1 more files)
|-- b2/
|-- 360059c0e45acbc78de0b08f6b7c8624d9a5bd
|-- 5054d94d2620ced8c009be8a0a24a6b356c348
|-- b570d46d1cae379e2cc7fde097608002cbc1d5
|-- f0afa7332c0418162c994912ad49d538ac9c43
|-- b3/
|-- 2ae5df0e610b32c25a3c2ea2184be570730e31
|-- 5c72122afee3b0517b69ed665e009f166feccf
|-- f2803cf7ebbf1d513972f741ff9ea057e228a
|-- b4/
|-- 6c933fe91aca5f20502be98102aa12985da407
|-- b9e96b77441d3c0c1c77003599284f6b8c0ef8
|-- f613c632cbcd4d95de8eced10f5f12f61e7900
|-- b5/
|-- b12d209472c8e332a5a5cf1ac3e7b6bc6d14cb
|-- c65d03475778f8d94e664e1180b1047ae16153
|-- f25d969af065b86294d3ba6d45b043887906d3
|-- b6/
|-- 546404136b729ea0fa37fb9be3583479416617
|-- edfd0d11282ac2b27469d7ed12f14f7770057d
|-- b7/
|-- 10ad07809078bdf8a78ff1b21b2d07f7fb8341
|-- 11156d9d2a449f41009dc178050c35c764e9c8
|-- b9/
|-- 620fe00bfa7b362fe6dc11df3c2db9b6caa69b
```

```
|-- 8cb09f4233cdd1a2a27e68cef1ef0cbc1f5e2e
|-- fadf4551e2aab7817d48faf8caf365aad42c98
|-- ba/
|-- 14ba9e032e6ea7de4ec2245899d7b9534fca27
|-- 8678500701eac92a239ef3676aff55b117b74e
|-- a45ff77b04ea0c052ed123738a18eb2c916503
|-- bf4af71bbb9071e22ad502e6792f6f9f96ec0b
|-- c2106202d32dd93c8306a4fdb12e18c357065b
|-- ... (1 more files)
|-- bc/
|-- 58d4160a425ede213ec0ef88e7570f9b63f204
|-- bf6ef53f96c21c9d13617e3cd7b181289f2bba
|-- bd/
|-- a513c256edd799a5a8248352f275ac280cf77a
|-- f40ddd46dcbb815bde726891fa62ef78419420
|-- be/
|-- 0c989b2e6fc7172382f9dde1d9b5809536da13
|-- 263a40c89ea6e54b0d92a3542b822cae0acc7a
|-- 45a087695e961c10f3642c60df91270fa28bcb
|-- 85cc3ee1db6bf825e9edc5b10e52c8b88f3b11
|-- c33907a959957c63eb4b670c5d2c49fdfb918a
|-- ... (1 more files)
|-- bf/
|-- 60cef84f6453ee3e6c3a002f469823524c0f37
|-- c0/
|-- 60f60d741f647fbfc25272069a520cb8734641
|-- b31f8d8778bf853690c054851807f07981f944
|-- c2/
|-- 3a22266fa0d60555eb34002656165d2a0fb5fe
|-- a512261ca21758c687c355e0f147e49abac3be
|-- ab48f2c18449c5a2eba23ebf55d545e24525f0
|-- e504ece096d534aa12ef3a9f84538285ed62f3
|-- c3/
|-- 00e7561f12bebf8c07e61131948b627f010fcc
|-- 74cdc5c6d489651654c8c5c14f41ce0a0c722b
|-- cc47cd465e7f279cd01a3bb1a0c5fcc867a7db
|-- cf14ffa0215e1d3ccf7d461eacfae79d15c091
|-- d6b591cd96ce747cdf17f75a36aa08e6171a88
|-- c5/
|-- 2248bf4b28511d1a29a0d0a9ad080104bca27d
|-- 4a68c07bdb8114ef2adcba2c748eab6434cla8
|-- bab4cc0a5659186c963a7f114b48dfb4fd67e4
|-- c6/
|-- 3000140d79342441ddce7fdcb46275dcf78e70
|-- a9c5c3c44fbc3bee410709daae11ff90c6ef9c
|-- dbcb70392d0957850b53646f09ea2ac6de23d9
|-- f671bb5b2d78f777237e7904b6f483d6006f2d
|-- c7/
|-- 1bb086e698b9ec3b221b08ce3757e67ff566e3
|-- e25c03de32f38f701c78f786d36e6a84178ac1
|-- c9/
|-- 72c5c16ceb74b3ea8df626a20ecae934fd5789
|-- 7767ae7c400e01f8101863f4e145fdf3dc0825
```

```
|-- 8acdad5f9ee49c5d2c00a0711b9d16264caad6
|-- ca/
|  |-- 010574f06e1e9db6542cfbe6426129a6bbcf46
|  |-- 5579ce633ef4a20cc0f14f30273a10cb6987a6
|  |-- c9847e8c164840bc369fec95a0ba5864f06c6e
|  |-- cfba3c26c12e024d92b31bc645641516a0458a
|-- cb/
|  |-- 44a945df83d6fe5fae614efa99867813837b1c
|  |-- b9f3bc3a00e3ad65cb5b7647da8e9258e0b060
|-- cc/
|  |-- d442c74e204559b10f487598f83194f3caf9e9
|  |-- ea30d9baa6e8c5e445b22f719b2b005cc4527a
|-- ce/
|  |-- 6fad374660d2e038dc89201a95c8ce6152797d
|  |-- 8d726830e63aa491df83937aa03e8dcabd481f
|  |-- 95fc494ed4a42c63556d4e316710f23a9ce667
|  |-- bd2adf76aeec87dceac5b64456a75e622ddd58
|  |-- f86d5eb366d560e0ccb1c4e270cf9c79be9d41
|-- cf/
|  |-- 095c9bd2e61440bb8d03ab93cd3bbec371ab4a
|  |-- 134af1df641ed02844848b0dba8b478684ab54
|-- d0/
|  |-- 59519f7823ecdf26132be68cc879d2324a80c2
|  |-- 82ea2ccc8fb5d028fb10d10f77031f7f645ee9
|  |-- 843f7f65c39d1bf8f1b304acf3ef3a18d22077
|-- d1/
|  |-- 757db7aec5448df0d66cb43db2d86e81544fbc
|  |-- cd048a29d2168698e3cbab1fde3403c982b457
|  |-- cd3a6afd56a38cdf0ee34f374245067b4f3aac
|  |-- dab4269c6fff46d0c1b3c7ad062221f7cf61a12
|-- d3/
|  |-- 44a58d367f92926d31c65de6e770e1f045284c
|  |-- 4647cae050f712df7c5fa67c8bb02c30d51e0e
|  |-- d8729faf6c7a1a260a27845c9590ece197d95c
|  |-- e44d65c556bdb68978f0aa45452ba2abf5f793
|-- d4/
|  |-- adaae8af6b764120f0b4fa60c2e9708597fd76
|-- d5/
|  |-- 169f9f841d240fed048aba2df3a38d4c770caf
|  |-- 25ff7c426d89898e3dd216c138f8b3c6a3f87c
|  |-- f58d977da5f30255e82eec447e4455b9ac802f
|-- d6/
|  |-- f665a2110ef99c6f5b6637e23673082dcff301
|-- d7/
|  |-- 89e8eebeeb9a1f1d0c9bb00eaff0a9b7d1e9ca0
|  |-- 92ff12c23023df59b4ae209b653676ded3e53d
|  |-- 98d9f0ec5d4d9adfb1e06c6430d497e299b43f
|  |-- c4b0c20c1c260d3d83efcbdebf24531495721f
|  |-- fdec966f4b9bdfcf160738e70ac3a92ac8415f
|-- d8/
|  |-- c1525cacac997a8e191711dc1e3109236aeb11
|  |-- dcc45705c812f3300049d29239b92789c49e9b
|-- da/
```

```
|-- 201013fff235f15e7fd74a15060cdb99ee7461
|-- 6701f8a762f2efebdacc5946be022d543471d7
|-- 723e3c25c794ef4561a2da2cc7d53b05475384
|-- db/
|-- 01fd70283899eedefeda801e65d01289a8773b
|-- 34f4108595ceb4b8a5fe3d50e436419039432c
|-- dd/
|-- 27a1d75b678728d48ebd7c503b6c3f5d24269e
|-- 7f341f456f10dd8a3bae8dd062a7d65de78f8c
|-- f6a80797c97fd0860bf345565c9f97cc8a4ea5
|-- fd6848fcae37fbf4c79c1b944b3fdbdc43ee56
|-- de/
|-- 4b546499f63c9cff7b8453c878449e8aa6f38a
|-- bf4e5cc98bbb9accdd99576a1112a4ccdcfa68
|-- df/
|-- 71288b802eb5afa90bf8b7f4c96b7ce55bb2e7
|-- 7843698e92c9658a7a821e91484e9e9b32ccdd
|-- e0/
|-- b1ad4db12b6c1920c14670aed4125d774d6fac
|-- be99e769aeaec075917ce91ba69b08e75391d1
|-- e1/
|-- 53da368c8e2833e753ad201081d2bd51a1b29a
|-- a8aef98d159749f7880575a31a573b25231938
|-- e2/
|-- 1a1681f1b27f507ebf3c08194b7455cc0445ab
|-- 39f3adafc40609e17b70c2eba9f9e6f32ebcdb
|-- d70d78389c293f00495c84e1853ddca2fbda70
|-- d8f9fa4259871bd4c0c51fd78d27f0f1bcc032
|-- ed53c60e08d25cd989a9f418bea6f96077b115
|-- e3/
|-- 528da2b829cc80e765d14baee1dc79976f05bf
|-- 9c79b7c3d7ed7b202b4f4e5fd139dff4c0d962
|-- c2d5e7beb08232eb62f0e44c0ea05b84e30f8f
|-- e4/
|-- 19b0d758ee136556627a676a11fcc9dc5924a7
|-- 42c4f63b63e25347bb0c789a05cef52489f139
|-- e5/
|-- 702085f0e40355fc75f65c8cd2e7230d181d59
|-- d2ffa92a0d7c265821b0489d567bc0be511305
|-- ec52473f56a44543aba60d997a753218d11c2c
|-- e6/
|-- 3e3505646abf69d5f4d6ae922c2ce29849f8cd
|-- 9de29bb2d1d6434b8b29ae775ad8c2e48c5391
|-- a2728171e51d00dc523ff104268849a1ddd9d2
|-- f9df1892415da571437b659e52eb6738e91961
|-- e7/
|-- 3cac8d2938cd686a9ef610451a20039c65be5a
|-- 6bb4188e1d4f40293bc5a67733490a40936bb2
|-- 7213a21d2b183a72875e393d490771fa5eab7d
|-- c199eb8674eee9fa6e6f80eefa20e7438c8b9c
|-- e8/
|-- 242255c2f62ca25214a468ca2779f70e079ba3
|-- 9ccf176c75206a40f3c565fb4da50173f6970d
```



```
|-- cd4a0f299678156683cabae134ec1746da50c4
|-- e9/
|   |-- 45da67cfa4dc41567e43b7613a725023760e5f
|   |-- 50e7af630c12fe2a95496be2738d78277a50f0
|   |-- 850cf4c3c1b663bf4959a571017014e4af3d99
|   |-- aab99c995557eb9bc91e6b9381d90caccbe05f
|-- ea/
|   |-- 41a36d66203bc65b865f1c9f69695023907956
|   |-- 4a070a40a5e9a108ed72a7e5f5a900ef1010f5
|   |-- a5797faa9984e95ed5322997bb88709b2e65f5
|   |-- c214556c1004c4afef9e3f60d3c42c8eebc91b
|-- eb/
|   |-- cfbd70b81ae7374e358143864c267b47fbad7
|-- ec/
|   |-- 0bb84c4b11f89a82dd6f8b5591b65ccd2a1dcb
|   |-- 3d34aa59f07cac306eeb3505cf65626fdf3a5c
|   |-- a523d98f31a92c37dcb7af6ff695e927fb99bc
|-- ed/
|   |-- 34cc8c44bdfbf8afb4999d9bd89ca13b14fb86
|-- ee/
|   |-- 0ab11107d28ab5015613ab92d000157c6f068d
|   |-- 0e7888f168ca1697b1ffe062294dd659eeaa74
|   |-- 18a6967e7aac4e1871085be713a52cc0fc9150
|   |-- 19ca2ef97c8aaab2fa5124de50b783ea40d422
|   |-- 461377b09fac5eb30130e0dc93228bf126b10f
|   |-- ... (2 more files)
|-- ef/
|   |-- 66156ced7ddc0f6adc0e449ed09e12eedc7f9b
|   |-- 8f61c54dfea002420e08efc857d57cb7e6b881
|   |-- b2f6537401a7ee524df36fffb23c8330006d3
|   |-- f12a34ee0e62a98eb8c28b4d44b0ae03dfcfce
|-- f1/
|   |-- 2ab5c6b8758f8d8e729c5d15bff117af53f242
|-- f2/
|   |-- 058c566631926299a53fd324ab0a5fe8ce242b
|-- f3/
|   |-- 0eac5b65dab7ba0ded18dc82637calb65b4680
|   |-- 11491029431a1460d4bc3f1f9c8034d8458acf
|   |-- 89ba5e89143e5935e9c3a4c34391e3ece1427d
|   |-- 92d0c790f8cbe0307e926b98b23ab144593b55
|-- f4/
|   |-- 4eabf33add9da49073ad13e3a654d5506642e4
|   |-- 8840dfa28cac6f74140d4f6da462f8312aef29
|   |-- 9435acbef5a21e360aa33ea0ebbe71657aff7e
|   |-- f6d6395cf5dd0f4008ba569f9e95bb7ee77258
|-- f5/
|   |-- 124ebad0eb9d05710ccad78aaebleb83c9232e
|   |-- 7e1926f9b8a2b119b61402d345d782bd1ef258
|-- f6/
|   |-- 3bd9696e1658d57e83dfa02fc78590c7cf9109
|   |-- 7b6679f6843a928fa304f0407adf9dfcabd06a
|   |-- 8061f51642989b7626da764ff036d9060e4193
|-- f7/
```

```
|-- 17a11dba80f3d95f86edd23fe294a27c70181a
|-- 1c234cd63755c42db6c94fcf5285b505221e01
|-- 6dbf23ed2b271bb78990e82701a1f35ebc1c8f
|-- 87080343d909d375a779a45efb11bca97f3ac0
|-- f8/
|-- 5e4bde8f70895e3f92f4b7ff36a2a6345b1606
|-- fba9cb2dfbdf48b87cb7ed4b5af25b8627d30
|-- ff493177e95ac17dfd7eb6a9582510002c525c
|-- f9/
|-- 77cda6eef791c167c295560204120a2fabbb54
|-- fcbb903d5c1d548332c7dbee7b941b6d66d04f
|-- fe2c82983d6b145df529534fbfe1101cd574e6
|-- fa/
|-- 62289157b9051ef357712a9fe45203e5ae82f6
|-- 7af9668ee330371b4914ca9b3aaed312faf629
|-- ab5b1ff34eeeeba1365c9210b8a50c2a6f6d84
|-- fb/
|-- d1b910812c8c568bbb8121211b7d9585b0265b
|-- fc/
|-- 16656120a9fc61ca7c8a1233c671ed03ebff2e
|-- fd/
|-- 00b14619d0a00df57e0ec1325bf45355192d79
|-- celb774dac25541cbe8bcb3ec35831bc14676d
|-- eec185fbf69002c51fe9af9ee26ce6844661ae
|-- fe/
|-- 2c5f3e40d21e592a99245ff44b8807e48eca0b
|-- a14b876f56a9cfe73e8b6b4e6b8e6bba68aef6
|-- acd8c600c743658614ce8a4d3ec5366dab86af
|-- ff/
|-- 43f6f09ceb8e29d5b3793c609b479d149bfab9
|-- bda04021fee5d747c957f5df5a4cd1bf758f13
|-- d9d0642c7210c4e47b9992356f7d29df69b960
|-- info/
|-- pack/
|-- refs/
|-- heads/
|-- main
|-- remotes/
|-- origin/
|-- main
|-- tags/
|-- .gitignore
|-- .venv/
|-- Include/
|-- Lib/
|-- site-packages/
|-- MarkupSafe-3.0.2.dist-info/
|-- INSTALLER
|-- LICENSE.txt
|-- METADATA
|-- RECORD
|-- WHEEL
|-- ... (1 more files)
```

```
|-- PIL/
|   |-- AvifImagePlugin.py
|   |-- BdfFontFile.py
|   |-- BlpImagePlugin.py
|   |-- BmpImagePlugin.py
|   |-- BufrStubImagePlugin.py
|   |-- ... (108 more files)
|   |-- __pycache__/
|       |-- AvifImagePlugin.cpython-312.pyc
|       |-- BdfFontFile.cpython-312.pyc
|       |-- BlpImagePlugin.cpython-312.pyc
|       |-- BmpImagePlugin.cpython-312.pyc
|       |-- BufrStubImagePlugin.cpython-312.pyc
|       |-- ... (91 more files)
|-- PyYAML-6.0.2.dist-info/
|   |-- INSTALLER
|   |-- LICENSE
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL
|   |-- ... (1 more files)
|-- __pycache__/
|   |-- isympy.cpython-312.pyc
|   |-- pylab.cpython-312.pyc
|   |-- six.cpython-312.pyc
|   |-- typing_extensions.cpython-312.pyc
|-- _distutils_hack/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- override.cpython-312.pyc
|   |-- override.py
|-- _pillow_heif.cp312-win_amd64.pyd
|-- _yaml/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- certifi/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- core.cpython-312.pyc
|   |-- cacert.pem
|   |-- core.py
|   |-- py.typed
|-- certifi-2025.4.26.dist-info/
|   |-- INSTALLER
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL
|   |-- licenses/
```

```
    |-- LICENSE
|-- top_level.txt
|-- charset_normalizer/
    |-- __init__.py
    |-- __main__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- __main__.cpython-312.pyc
        |-- api.cpython-312.pyc
        |-- cd.cpython-312.pyc
        |-- constant.cpython-312.pyc
        |-- ... (5 more files)
    |-- api.py
    |-- cd.py
    |-- cli/
        |-- __init__.py
        |-- __main__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- __main__.cpython-312.pyc
    |-- constant.py
    |-- ... (10 more files)
|-- charset_normalizer-3.4.2.dist-info/
    |-- INSTALLER
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- entry_points.txt
    |-- licenses/
        |-- LICENSE
    |-- ... (2 more files)
|-- colorama/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- ansi.cpython-312.pyc
        |-- ansitowin32.cpython-312.pyc
        |-- initialise.cpython-312.pyc
        |-- win32.cpython-312.pyc
        |-- ... (1 more files)
    |-- ansi.py
    |-- ansitowin32.py
    |-- initialise.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- ansi_test.cpython-312.pyc
            |-- ansitowin32_test.cpython-312.pyc
            |-- initialise_test.cpython-312.pyc
            |-- isatty_test.cpython-312.pyc
            |-- ... (2 more files)
    |-- ansi_test.py
```

```

|-- ansitowin32_test.py
|-- initialise_test.py
|-- isatty_test.py
|-- ... (3 more files)
|-- win32.py
|-- ... (3 more files)
|-- colorama-0.4.6.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD
|-- WHEEL
|-- licenses/
|-- LICENSE.txt
|-- contourpy/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _version.cpython-312.pyc
|-- array.cpython-312.pyc
|-- chunk.cpython-312.pyc
|-- convert.cpython-312.pyc
|-- ... (4 more files)
|-- _contourpy.cp312-win_amd64.lib
|-- _contourpy.cp312-win_amd64.pyd
|-- _contourpy.pyi
|-- _version.py
|-- ... (10 more files)
|-- util/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _build_config.cpython-312.pyc
|-- bokeh_renderer.cpython-312.pyc
|-- bokeh_util.cpython-312.pyc
|-- data.cpython-312.pyc
|-- ... (3 more files)
|-- _build_config.py
|-- bokeh_renderer.py
|-- bokeh_util.py
|-- data.py
|-- ... (4 more files)
|-- contourpy-1.3.2.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- cpuinfo/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc

```

```

|-- cpuinfo.cpython-312.pyc
|-- cpuinfo.py
|-- cv2/
|-- Error/
|-- __init__.pyi
|-- LICENSE-3RD-PARTY.txt
|-- LICENSE.txt
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- config-3.cpython-312.pyc
|-- config.cpython-312.pyc
|-- load_config_py2.cpython-312.pyc
|-- load_config_py3.cpython-312.pyc
|-- ... (1 more files)
|-- aruco/
|-- __init__.pyi
|-- barcode/
|-- __init__.pyi
|-- config-3.py
|-- ... (31 more files)
|-- cuda/
|-- __init__.pyi
|-- data/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- haarcascade_eye.xml
|-- haarcascade_eye_tree_eyeglasses.xml
|-- haarcascade_frontalcatface.xml
|-- haarcascade_frontalcatface_extended.xml
|-- ... (14 more files)
|-- detail/
|-- __init__.pyi
|-- dnn/
|-- __init__.pyi
|-- fisheye/
|-- __init__.pyi
|-- flann/
|-- __init__.pyi
|-- gapi/
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- core/
|-- __init__.pyi
|-- cpu/
|-- __init__.pyi
|-- fluid/
|-- __init__.pyi
|-- ocl/

```

```
        |-- __init__.pyi
|-- ie/
    |-- __init__.pyi
    |-- detail/
        |-- __init__.pyi
|-- imgproc/
    |-- __init__.pyi
    |-- fluid/
        |-- __init__.pyi
|-- oak/
    |-- __init__.pyi
|-- onnx/
    |-- __init__.pyi
    |-- ep/
        |-- __init__.pyi
|-- ot/
    |-- __init__.pyi
    |-- cpu/
        |-- __init__.pyi
|-- ov/
    |-- __init__.pyi
|-- own/
    |-- __init__.pyi
    |-- detail/
        |-- __init__.pyi
|-- render/
    |-- __init__.pyi
    |-- ocv/
        |-- __init__.pyi
|-- streaming/
    |-- __init__.pyi
|-- video/
    |-- __init__.pyi
|-- wip/
    |-- __init__.pyi
    |-- draw/
        |-- __init__.pyi
    |-- gst/
        |-- __init__.pyi
    |-- onevpl/
        |-- __init__.pyi
|-- ipp/
    |-- __init__.pyi
|-- mat_wrapper/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- misc/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- version.cpython-312.pyc
    |-- version.py
```

```
|-- ml/
    |-- __init__.pyi
|-- ocl/
    |-- __init__.pyi
|-- ogl/
    |-- __init__.pyi
|-- parallel/
    |-- __init__.pyi
|-- samples/
    |-- __init__.pyi
|-- segmentation/
    |-- __init__.pyi
|-- typing/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- utils/
    |-- __init__.py
    |-- __init__.pyi
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- fs/
        |-- __init__.pyi
    |-- nested/
        |-- __init__.pyi
|-- videoio_registry/
    |-- __init__.pyi
|-- cyclер/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- py.typed
|-- cyclер-0.12.1.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- ... (1 more files)
|-- dateutil/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _common.cpython-312.pyc
        |-- _version.cpython-312.pyc
        |-- easter.cpython-312.pyc
        |-- relativedelta.cpython-312.pyc
        |-- ... (3 more files)
    |-- _common.py
    |-- _version.py
    |-- easter.py
    |-- parser/
        |-- __init__.py
```



```
|-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- _parser.cpython-312.pyc
    |-- isoparser.cpython-312.pyc
    |-- _parser.py
    |-- isoparser.py
|-- relativedelta.py
|-- ... (7 more files)
|-- tz/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _common.cpython-312.pyc
        |-- _factories.cpython-312.pyc
        |-- tz.cpython-312.pyc
        |-- win.cpython-312.pyc
    |-- _common.py
    |-- _factories.py
    |-- tz.py
    |-- win.py
|-- zoneinfo/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- rebuild.cpython-312.pyc
    |-- dateutil-zoneinfo.tar.gz
    |-- rebuild.py
|-- distutils-precedence.pth
|-- dotenv/
    |-- __init__.py
    |-- __main__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- __main__.cpython-312.pyc
        |-- cli.cpython-312.pyc
        |-- ipython.cpython-312.pyc
        |-- main.cpython-312.pyc
        |-- ... (3 more files)
    |-- cli.py
    |-- ipython.py
    |-- main.py
    |-- ... (5 more files)
|-- filelock/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _api.cpython-312.pyc
        |-- _error.cpython-312.pyc
        |-- _soft.cpython-312.pyc
        |-- _unix.cpython-312.pyc
        |-- ... (4 more files)
    |-- _api.py
    |-- _error.py
```

```

|-- _soft.py
|-- _unix.py
|-- ... (6 more files)
|-- filelock-3.18.0.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD
|-- WHEEL
|-- licenses/
|-- LICENSE
|-- filetype/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- filetype.cpython-312.pyc
|-- helpers.cpython-312.pyc
|-- match.cpython-312.pyc
|-- ... (1 more files)
|-- filetype.py
|-- helpers.py
|-- match.py
|-- types/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- application.cpython-312.pyc
|-- archive.cpython-312.pyc
|-- audio.cpython-312.pyc
|-- base.cpython-312.pyc
|-- ... (5 more files)
|-- application.py
|-- archive.py
|-- audio.py
|-- base.py
|-- ... (6 more files)
|-- ... (3 more files)
|-- filetype-1.2.0.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- ... (3 more files)
|-- fontTools/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- afmLib.cpython-312.pyc
|-- agl.cpython-312.pyc

```

```

|-- fontBuilder.cpython-312.pyc
|-- ... (4 more files)
|-- afmLib.py
|-- agl.py
|-- cffLib/
|-- CFF2ToCFF.py
|-- CFFToCFF2.py
|-- __init__.py
|-- __pycache__/
|-- CFF2ToCFF.cpython-312.pyc
|-- CFFToCFF2.cpython-312.pyc
|-- __init__.cpython-312.pyc
|-- specializer.cpython-312.pyc
|-- transforms.cpython-312.pyc
|-- ... (1 more files)
|-- specializer.py
|-- transforms.py
|-- ... (2 more files)
|-- colorLib/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- builder.cpython-312.pyc
|-- errors.cpython-312.pyc
|-- geometry.cpython-312.pyc
|-- table_builder.cpython-312.pyc
|-- ... (1 more files)
|-- builder.py
|-- errors.py
|-- geometry.py
|-- table_builder.py
|-- ... (2 more files)
|-- config/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- cu2qu/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- benchmark.cpython-312.pyc
|-- cli.cpython-312.pyc
|-- cu2qu.cpython-312.pyc
|-- ... (2 more files)
|-- benchmark.py
|-- cli.py
|-- cu2qu.c
|-- ... (5 more files)
|-- designspaceLib/
|-- __init__.py
|-- __main__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- split.cpython-312.pyc
|-- statNames.cpython-312.pyc
|-- types.cpython-312.pyc
|-- split.py
|-- statNames.py
|-- types.py
|-- encodings/
|-- MacRoman.py
|-- StandardEncoding.py
|-- __init__.py
|-- __pycache__/
|-- MacRoman.cpython-312.pyc
|-- StandardEncoding.cpython-312.pyc
|-- __init__.cpython-312.pyc
|-- codecs.cpython-312.pyc
|-- codecs.py
|-- feaLib/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- ast.cpython-312.pyc
|-- builder.cpython-312.pyc
|-- error.cpython-312.pyc
|-- ... (5 more files)
|-- ast.py
|-- builder.py
|-- error.py
|-- ... (8 more files)
|-- fontBuilder.py
|-- ... (26 more files)
|-- merge/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- base.cpython-312.pyc
|-- cmap.cpython-312.pyc
|-- layout.cpython-312.pyc
|-- ... (4 more files)
|-- base.py
|-- cmap.py
|-- layout.py
|-- ... (5 more files)
|-- misc/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```

```

|-- arrayTools.cpython-312.pyc
|-- bezierTools.cpython-312.pyc
|-- classifyTools.cpython-312.pyc
|-- cliTools.cpython-312.pyc
|-- ... (30 more files)
|-- arrayTools.py
|-- bezierTools.c
|-- bezierTools.cp312-win_amd64.pyd
|-- bezierTools.py
|-- ... (34 more files)
|-- plistlib/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--   py.typed
|-- mtiLib/
|--   __init__.py
|--   __main__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     __main__.cpython-312.pyc
|-- otLib/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     builder.cpython-312.pyc
|--     error.cpython-312.pyc
|--     maxContextCalc.cpython-312.pyc
|--   builder.py
|--   error.py
|--   maxContextCalc.py
|--   optimize/
|--     __init__.py
|--     __main__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       __main__.cpython-312.pyc
|--       gpos.cpython-312.pyc
|--     gpos.py
|-- pens/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     areaPen.cpython-312.pyc
|--     basePen.cpython-312.pyc
|--     boundsPen.cpython-312.pyc
|--     cairoPen.cpython-312.pyc
|--     ... (24 more files)
|--   areaPen.py
|--   basePen.py
|--   boundsPen.py
|--   cairoPen.py
|--   ... (27 more files)

```

```
|-- qu2cu/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- benchmark.cpython-312.pyc
|       |-- cli.cpython-312.pyc
|       |-- qu2cu.cpython-312.pyc
|   |-- benchmark.py
|   |-- cli.py
|   |-- qu2cu.c
|   |-- ... (3 more files)
|-- subset/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- cff.cpython-312.pyc
|       |-- svg.cpython-312.pyc
|       |-- util.cpython-312.pyc
|   |-- cff.py
|   |-- svg.py
|   |-- util.py
|-- svgLib/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|   |-- path/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- arc.cpython-312.pyc
|           |-- parser.cpython-312.pyc
|           |-- shapes.cpython-312.pyc
|       |-- arc.py
|       |-- parser.py
|       |-- shapes.py
|-- t1Lib/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- ttLib/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- macUtils.cpython-312.pyc
|       |-- removeOverlaps.cpython-312.pyc
|       |-- reorderGlyphs.cpython-312.pyc
|       |-- ... (8 more files)
```

```
|-- macUtils.py
|-- removeOverlaps.py
|-- reorderGlyphs.py
|-- ... (10 more files)
|-- tables/
|   |-- B_A_S_E_.py
|   |-- BitmapGlyphMetrics.py
|   |-- C_B_D_T_.py
|   |-- C_B_L_C_.py
|   |-- C_F_F_.py
|   |-- ... (96 more files)
|   |-- __pycache__/
|       |-- B_A_S_E_.cpython-312.pyc
|       |-- BitmapGlyphMetrics.cpython-312.pyc
|       |-- C_B_D_T_.cpython-312.pyc
|       |-- C_B_L_C_.cpython-312.pyc
|       |-- C_F_F_.cpython-312.pyc
|       |-- ... (94 more files)
|-- ufoLib/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- converters.cpython-312.pyc
|       |-- errors.cpython-312.pyc
|       |-- etree.cpython-312.pyc
|       |-- filenames.cpython-312.pyc
|       |-- ... (6 more files)
|   |-- converters.py
|   |-- errors.py
|   |-- etree.py
|   |-- filenames.py
|   |-- ... (7 more files)
|-- unicodedata/
|   |-- Blocks.py
|   |-- Mirrored.py
|   |-- OTTags.py
|   |-- ScriptExtensions.py
|   |-- Scripts.py
|   |-- ... (2 more files)
|   |-- __pycache__/
|       |-- Blocks.cpython-312.pyc
|       |-- Mirrored.cpython-312.pyc
|       |-- OTTags.cpython-312.pyc
|       |-- ScriptExtensions.cpython-312.pyc
|       |-- Scripts.cpython-312.pyc
|       |-- ... (1 more files)
|-- varLib/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- avar.cpython-312.pyc
```

```

|-- avarPlanner.cpython-312.pyc
|-- builder.cpython-312.pyc
|-- ... (19 more files)
|-- avar.py
|-- avarPlanner.py
|-- builder.py
|-- ... (23 more files)
|-- instancer/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- featureVars.cpython-312.pyc
|-- names.cpython-312.pyc
|-- solver.cpython-312.pyc
|-- featureVars.py
|-- names.py
|-- solver.py
|-- voltLib/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- ast.cpython-312.pyc
|-- error.cpython-312.pyc
|-- lexer.cpython-312.pyc
|-- ... (2 more files)
|-- ast.py
|-- error.py
|-- lexer.py
|-- ... (3 more files)
|-- fonttools-4.58.1.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD
|-- WHEEL
|-- entry_points.txt
|-- licenses/
|-- LICENSE
|-- LICENSE.external
|-- ... (2 more files)
|-- fpdf/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- fonts.cpython-312.pyc
|-- fpdf.cpython-312.pyc
|-- html.cpython-312.pyc
|-- php.cpython-312.pyc
|-- ... (3 more files)
|-- fonts.py

```



```
|-- fpdf.py
|-- html.py
|-- php.py
|-- ... (4 more files)
|-- fpdf-1.7.2.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD
|-- REQUESTED
|-- WHEEL
|-- ... (1 more files)
|-- fsspec/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _version.cpython-312.pyc
|-- archive.cpython-312.pyc
|-- asyn.cpython-312.pyc
|-- caching.cpython-312.pyc
|-- ... (17 more files)
|-- _version.py
|-- archive.py
|-- asyn.py
|-- caching.py
|-- ... (20 more files)
|-- implementations/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- arrow.cpython-312.pyc
|-- asyn_wrapper.cpython-312.pyc
|-- cache_mapper.cpython-312.pyc
|-- cache_metadata.cpython-312.pyc
|-- ... (21 more files)
|-- arrow.py
|-- asyn_wrapper.py
|-- cache_mapper.py
|-- cache_metadata.py
|-- ... (22 more files)
|-- tests/
|-- abstract/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common.cpython-312.pyc
|-- copy.cpython-312.pyc
|-- get.cpython-312.pyc
|-- mv.cpython-312.pyc
|-- ... (3 more files)
|-- common.py
|-- copy.py
|-- get.py
|-- mv.py
```

```

|-- ... (4 more files)
|-- fsspec-2025.5.1.dist-info/
|   |-- INSTALLER
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL
|   |-- licenses/
|       |-- LICENSE
|-- functorch/
|   |-- _C.cp312-win_amd64.pyd
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- _src/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- aot_autograd/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- eager_transforms/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- make_functional/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- vmap/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- compile/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- dim/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- batch_tensor.cpython-312.pyc
|       |-- delayed_mul_tensor.cpython-312.pyc
|       |-- dim.cpython-312.pyc
|       |-- magic_trace.cpython-312.pyc
|       |-- ... (4 more files)
|   |-- batch_tensor.py
|   |-- delayed_mul_tensor.py
|   |-- dim.py
|   |-- magic_trace.py
|   |-- ... (5 more files)
|-- einops/
|   |-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _parsing.cpython-312.pyc
|-- rearrange.cpython-312.pyc
|-- _parsing.py
|-- rearrange.py
|-- experimental/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- control_flow.cpython-312.pyc
|-- ops.cpython-312.pyc
|-- control_flow.py
|-- ops.py
|-- idna/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- codec.cpython-312.pyc
|-- compat.cpython-312.pyc
|-- core.cpython-312.pyc
|-- idnadata.cpython-312.pyc
|-- ... (3 more files)
|-- codec.py
|-- compat.py
|-- core.py
|-- idnadata.py
|-- ... (5 more files)
|-- idna-3.7.dist-info/
|-- INSTALLER
|-- LICENSE.md
|-- METADATA
|-- RECORD
|-- WHEEL
|-- isympy.py
|-- jinja2/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _identifier.cpython-312.pyc
|-- async_utils.cpython-312.pyc
|-- bccache.cpython-312.pyc
|-- compiler.cpython-312.pyc
|-- ... (20 more files)
|-- _identifier.py
|-- async_utils.py
|-- bccache.py
|-- compiler.py
|-- ... (22 more files)
|-- jinja2-3.1.6.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD

```

```

|-- WHEEL
|-- entry_points.txt
|-- licenses/
|   |-- LICENSE.txt
|-- kiwisolver/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- exceptions.cpython-312.pyc
|   |-- _cext.cp312-win_amd64.pyd
|   |-- _cext.pyi
|   |-- exceptions.py
|   |-- py.typed
|-- kiwisolver-1.4.8.dist-info/
|   |-- INSTALLER
|   |-- LICENSE
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL
|   |-- ... (1 more files)
|-- libaom-93659f31027d44fd40b0eed3e8daaa27.dll
|-- libde265-0-e5950ad35a6c4c4e1cb07673a62db546.dll
|-- ... (112 more files)
|-- markupsafe/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _native.cpython-312.pyc
|   |-- _native.py
|   |-- _speedups.c
|   |-- _speedups.cp312-win_amd64.pyd
|   |-- _speedups.pyi
|   |-- ... (2 more files)
|-- matplotlib/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _afm.cpython-312.pyc
|       |-- _animation_data.cpython-312.pyc
|       |-- _blocking_input.cpython-312.pyc
|       |-- _cm.cpython-312.pyc
|       |-- ... (71 more files)
|   |-- _afm.py
|   |-- _animation_data.py
|   |-- _api/
|       |-- __init__.py
|       |-- __init__.pyi
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- deprecation.cpython-312.pyc
|       |-- deprecation.py
|       |-- deprecation.pyi

```

```
|-- _blocking_input.py
|-- ... (147 more files)
|-- axes/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _axes.cpython-312.pyc
|       |-- _base.cpython-312.pyc
|       |-- _secondary_axes.cpython-312.pyc
|   |-- _axes.py
|   |-- _axes.pyi
|   |-- _base.py
|   |-- ... (4 more files)
|-- backends/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _backend_gtk.cpython-312.pyc
|       |-- _backend_pdf_ps.cpython-312.pyc
|       |-- _backend_tk.cpython-312.pyc
|       |-- backend_agg.cpython-312.pyc
|       |-- ... (30 more files)
|   |-- _backend_agg.cp312-win_amd64.pyd
|   |-- _backend_agg.pyi
|   |-- _backend_gtk.py
|   |-- _backend_pdf_ps.py
|   |-- ... (38 more files)
|   |-- qt_editor/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- _formlayout.cpython-312.pyc
|           |-- figureoptions.cpython-312.pyc
|       |-- _formlayout.py
|       |-- figureoptions.py
|   |-- web_backend/
|       |-- all_figures.html
|       |-- css/
|           |-- boilerplate.css
|           |-- fbm.css
|           |-- mpl.css
|           |-- page.css
|       |-- ipython_inline_figure.html
|       |-- js/
|           |-- mpl.js
|           |-- mpl_tornado.js
|           |-- nbagg_mpl.js
|       |-- single_figure.html
|-- mpl-data/
|   |-- fonts/
|       |-- afm/
|           |-- cmex10.afm
```

```

|-- cmmil0.afm
|-- cmr10.afm
|-- cmsyl0.afm
|-- cmtt10.afm
|-- ... (41 more files)
|-- pdfcorefonts/
|-- Courier-Bold.afm
|-- Courier-BoldOblique.afm
|-- Courier-Oblique.afm
|-- Courier.afm
|-- Helvetica-Bold.afm
|-- ... (10 more files)
|-- ttf/
|-- DejaVuSans-Bold.ttf
|-- DejaVuSans-BoldOblique.ttf
|-- DejaVuSans-Oblique.ttf
|-- DejaVuSans.ttf
|-- DejaVuSansDisplay.ttf
|-- ... (35 more files)
|-- images/
|-- back-symbolic.svg
|-- back.pdf
|-- back.png
|-- back.svg
|-- back_large.png
|-- ... (46 more files)
|-- kpsewhich.lua
|-- matplotlibrc
|-- plot_directive/
|-- plot_directive.css
|-- sample_data/
|-- Minduka_Present_Blue_Pack.png
|-- README.txt
|-- Stocks.csv
|-- axes_grid/
|-- bivariate_normal.npy
|-- data_x_x2_x3.csv
|-- eeg.dat
|-- ... (10 more files)
|-- stylelib/
|-- Solarize_Light2.mplstyle
|-- _classic_test_patch.mplstyle
|-- _mpl-gallery-nogrid.mplstyle
|-- _mpl-gallery.mplstyle
|-- bmh.mplstyle
|-- ... (24 more files)
|-- projections/
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- geo.cpython-312.pyc
|-- polar.cpython-312.pyc

```

```

|-- geo.py
|-- geo.pyi
|-- polar.py
|-- ... (2 more files)
|-- sphinxext/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     figmpl_directive.cpython-312.pyc
|--     mathmpl.cpython-312.pyc
|--     plot_directive.cpython-312.pyc
|--     roles.cpython-312.pyc
|--   figmpl_directive.py
|--   mathmpl.py
|--   plot_directive.py
|--   roles.py
|-- style/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     core.cpython-312.pyc
|--   core.py
|--   core.pyi
|-- testing/
|--   __init__.py
|--   __init__.pyi
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _markers.cpython-312.pyc
|--     compare.cpython-312.pyc
|--     conftest.cpython-312.pyc
|--     decorators.cpython-312.pyc
|--     ... (2 more files)
|--   _markers.py
|--   compare.py
|--   compare.pyi
|--   ... (9 more files)
|--   jpl_units/
|--     Duration.py
|--     Epoch.py
|--     EpochConverter.py
|--     StrConverter.py
|--     UnitDbl.py
|--     ... (4 more files)
|--     __pycache__/
|--       Duration.cpython-312.pyc
|--       Epoch.cpython-312.pyc
|--       EpochConverter.cpython-312.pyc
|--       StrConverter.cpython-312.pyc
|--       UnitDbl.cpython-312.pyc
|--       ... (3 more files)
|-- tests/
|--   __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_afm.cpython-312.pyc
|-- test_agg.cpython-312.pyc
|-- test_agg_filter.cpython-312.pyc
|-- ... (88 more files)
|-- conftest.py
|-- test_afm.py
|-- test_agg.py
|-- test_agg_filter.py
|-- ... (89 more files)
|-- tri/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _triangulation.cpython-312.pyc
|-- _tricontour.cpython-312.pyc
|-- _trifinder.cpython-312.pyc
|-- _triinterpolate.cpython-312.pyc
|-- ... (4 more files)
|-- _triangulation.py
|-- _triangulation.pyi
|-- _tricontour.py
|-- _tricontour.pyi
|-- ... (13 more files)
|-- matplotlib-3.10.3.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- mpl_toolkits/
|-- axes_grid1/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- anchored_artists.cpython-312.pyc
|-- axes_divider.cpython-312.pyc
|-- axes_grid.cpython-312.pyc
|-- axes_rgb.cpython-312.pyc
|-- ... (4 more files)
|-- anchored_artists.py
|-- axes_divider.py
|-- axes_grid.py
|-- axes_rgb.py
|-- ... (6 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_axes_grid1.cpython-312.pyc

```



```

|-- conftest.py
|-- test_axes_grid1.py
|-- axisartist/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- angle_helper.cpython-312.pyc
|-- axes_divider.cpython-312.pyc
|-- axis_artist.cpython-312.pyc
|-- axisline_style.cpython-312.pyc
|-- ... (5 more files)
|-- angle_helper.py
|-- axes_divider.py
|-- axis_artist.py
|-- axisline_style.py
|-- ... (7 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_angle_helper.cpython-312.pyc
|-- test_axis_artist.cpython-312.pyc
|-- test_axislines.cpython-312.pyc
|-- ... (3 more files)
|-- conftest.py
|-- test_angle_helper.py
|-- test_axis_artist.py
|-- test_axislines.py
|-- ... (4 more files)
|-- mplot3d/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- art3d.cpython-312.pyc
|-- axes3d.cpython-312.pyc
|-- axis3d.cpython-312.pyc
|-- proj3d.cpython-312.pyc
|-- art3d.py
|-- axes3d.py
|-- axis3d.py
|-- proj3d.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_art3d.cpython-312.pyc
|-- test_axes3d.cpython-312.pyc
|-- test_legend3d.cpython-312.pyc
|-- conftest.py
|-- test_art3d.py
|-- test_axes3d.py

```

```

|-- test_legend3d.py
|-- mpmath/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- ctx_base.cpython-312.pyc
|-- ctx_fp.cpython-312.pyc
|-- ctx_iv.cpython-312.pyc
|-- ctx_mp.cpython-312.pyc
|-- ... (7 more files)
|-- calculus/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- approximation.cpython-312.pyc
|-- calculus.cpython-312.pyc
|-- differentiation.cpython-312.pyc
|-- extrapolation.cpython-312.pyc
|-- ... (5 more files)
|-- approximation.py
|-- calculus.py
|-- differentiation.py
|-- extrapolation.py
|-- ... (6 more files)
|-- ctx_base.py
|-- ctx_fp.py
|-- ctx_iv.py
|-- ctx_mp.py
|-- ... (13 more files)
|-- functions/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bessell.cpython-312.pyc
|-- elliptic.cpython-312.pyc
|-- expintegrals.cpython-312.pyc
|-- factorials.cpython-312.pyc
|-- ... (9 more files)
|-- bessell.py
|-- elliptic.py
|-- expintegrals.py
|-- factorials.py
|-- ... (10 more files)
|-- libmp/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- backend.cpython-312.pyc
|-- gammazeta.cpython-312.pyc
|-- libelefun.cpython-312.pyc
|-- libhyper.cpython-312.pyc
|-- ... (4 more files)
|-- backend.py

```

```

|-- gammazeta.py
|-- libelefun.py
|-- libhyper.py
|-- ... (5 more files)
|-- matrices/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- calculus.cpython-312.pyc
|-- eigen.cpython-312.pyc
|-- eigen_symmetric.cpython-312.pyc
|-- linalg.cpython-312.pyc
|-- ... (1 more files)
|-- calculus.py
|-- eigen.py
|-- eigen_symmetric.py
|-- linalg.py
|-- ... (2 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- extratest_gamma.cpython-312.pyc
|-- extratest_zeta.cpython-312.pyc
|-- runtests.cpython-312.pyc
|-- test_basic_ops.cpython-312.pyc
|-- ... (31 more files)
|-- extratest_gamma.py
|-- extratest_zeta.py
|-- runtests.py
|-- test_basic_ops.py
|-- ... (32 more files)
|-- mpmath-1.3.0.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- ... (1 more files)
|-- networkx/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- convert.cpython-312.pyc
|-- convert_matrix.cpython-312.pyc
|-- exception.cpython-312.pyc
|-- ... (2 more files)
|-- algorithms/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- asteroidal.cpython-312.pyc

```

```

|-- boundary.cpython-312.pyc
|-- bridges.cpython-312.pyc
|-- broadcasting.cpython-312.pyc
|-- ... (51 more files)
|-- approximation/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     clique.cpython-312.pyc
|--     clustering_coefficient.cpython-312.pyc
|--     connectivity.cpython-312.pyc
|--     density.cpython-312.pyc
|--     ... (10 more files)
|-- clique.py
|-- clustering_coefficient.py
|-- connectivity.py
|-- density.py
|-- ... (12 more files)
|-- tests/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     test_approx_clust_coeff.cpython-312.pyc
|--     test_clique.cpython-312.pyc
|--     test_connectivity.cpython-312.pyc
|--     test_density.cpython-312.pyc
|--     ... (10 more files)
|--   test_approx_clust_coeff.py
|--   test_clique.py
|--   test_connectivity.py
|--   test_density.py
|--   ... (11 more files)
|-- assortativity/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     connectivity.cpython-312.pyc
|--     correlation.cpython-312.pyc
|--     mixing.cpython-312.pyc
|--     neighbor_degree.cpython-312.pyc
|--     ... (1 more files)
|-- connectivity.py
|-- correlation.py
|-- mixing.py
|-- neighbor_degree.py
|-- ... (3 more files)
|-- tests/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     base_test.cpython-312.pyc
|--     test_connectivity.cpython-312.pyc
|--     test_correlation.cpython-312.pyc

```

```

        |-- test_mixing.cpython-312.pyc
        |-- ... (2 more files)
    |-- base_test.py
    |-- test_connectivity.py
    |-- test_correlation.py
    |-- test_mixing.py
    |-- ... (3 more files)
|-- asteroidal.py
|-- bipartite/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- basic.cpython-312.pyc
        |-- centrality.cpython-312.pyc
        |-- cluster.cpython-312.pyc
        |-- covering.cpython-312.pyc
        |-- ... (9 more files)
    |-- basic.py
    |-- centrality.py
    |-- cluster.py
    |-- covering.py
    |-- ... (11 more files)
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_basic.cpython-312.pyc
            |-- test_centrality.cpython-312.pyc
            |-- test_cluster.cpython-312.pyc
            |-- test_covering.cpython-312.pyc
            |-- ... (9 more files)
        |-- test_basic.py
        |-- test_centrality.py
        |-- test_cluster.py
        |-- test_covering.py
        |-- ... (10 more files)
|-- boundary.py
|-- bridges.py
|-- broadcasting.py
|-- centrality/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- betweenness.cpython-312.pyc
        |-- betweenness_subset.cpython-312.pyc
        |-- closeness.cpython-312.pyc
        |-- current_flow_betweenness.cpython-312.pyc
        |-- ... (17 more files)
    |-- betweenness.py
    |-- betweenness_subset.py
    |-- closeness.py
    |-- current_flow_betweenness.py
    |-- ... (19 more files)

```

```

|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_betweenness centrality.cpython-312.pyc
|-- test_betweenness centrality_subset.cpython-312.pyc
|-- test_closeness centrality.cpython-312.pyc
|-- test_current_flow_betweenness centrality.cpython-312.pyc
|-- ... (16 more files)
|-- test_betweenness centrality.py
|-- test_betweenness centrality_subset.py
|-- test_closeness centrality.py
|-- test_current_flow_betweenness centrality.py
|-- ... (17 more files)
|-- ... (69 more files)
|-- coloring/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- equitable_coloring.cpython-312.pyc
|-- greedy_coloring.cpython-312.pyc
|-- equitable_coloring.py
|-- greedy_coloring.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_coloring.cpython-312.pyc
|-- test_coloring.py
|-- community/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- asyn_fluid.cpython-312.pyc
|-- centrality.cpython-312.pyc
|-- community_utils.cpython-312.pyc
|-- divisive.cpython-312.pyc
|-- ... (9 more files)
|-- asyn_fluid.py
|-- centrality.py
|-- community_utils.py
|-- divisive.py
|-- ... (11 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_asyn_fluid.cpython-312.pyc
|-- test_centrality.cpython-312.pyc
|-- test_divisive.cpython-312.pyc
|-- test_kclique.cpython-312.pyc
|-- ... (9 more files)
|-- test_asyn_fluid.py

```

```

|-- test_centrality.py
|-- test_divisive.py
|-- test_kclique.py
|-- ... (10 more files)
|-- components/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- attracting.cpython-312.pyc
|-- biconnected.cpython-312.pyc
|-- connected.cpython-312.pyc
|-- semiconnected.cpython-312.pyc
|-- ... (2 more files)
|-- attracting.py
|-- biconnected.py
|-- connected.py
|-- semiconnected.py
|-- ... (4 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_attracting.cpython-312.pyc
|-- test_biconnected.cpython-312.pyc
|-- test_connected.cpython-312.pyc
|-- test_semiconnected.cpython-312.pyc
|-- ... (2 more files)
|-- test_attracting.py
|-- test_biconnected.py
|-- test_connected.py
|-- test_semiconnected.py
|-- ... (3 more files)
|-- connectivity/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- connectivity.cpython-312.pyc
|-- cuts.cpython-312.pyc
|-- disjoint_paths.cpython-312.pyc
|-- edge_augmentation.cpython-312.pyc
|-- ... (5 more files)
|-- connectivity.py
|-- cuts.py
|-- disjoint_paths.py
|-- edge_augmentation.py
|-- ... (7 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_connectivity.cpython-312.pyc
|-- test_cuts.cpython-312.pyc
|-- test_disjoint_paths.cpython-312.pyc

```

```

|-- test_edge_augmentation.cpython-312.pyc
|-- ... (4 more files)
|-- test_connectivity.py
|-- test_cuts.py
|-- test_disjoint_paths.py
|-- test_edge_augmentation.py
|-- ... (5 more files)
|-- flow/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- boykovkolmogorov.cpython-312.pyc
|-- capacityscaling.cpython-312.pyc
|-- dinitz_alg.cpython-312.pyc
|-- edmondskarp.cpython-312.pyc
|-- ... (7 more files)
|-- boykovkolmogorov.py
|-- capacityscaling.py
|-- dinitz_alg.py
|-- edmondskarp.py
|-- ... (9 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_gomory_hu.cpython-312.pyc
|-- test_maxflow.cpython-312.pyc
|-- test_maxflow_large_graph.cpython-312.pyc
|-- test_mincost.cpython-312.pyc
|-- ... (1 more files)
|-- gl1.gpickle.bz2
|-- gw1.gpickle.bz2
|-- netgen-2.gpickle.bz2
|-- test_gomory_hu.py
|-- ... (6 more files)
|-- isomorphism/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- ismags.cpython-312.pyc
|-- isomorph.cpython-312.pyc
|-- isomorphvf2.cpython-312.pyc
|-- matchhelpers.cpython-312.pyc
|-- ... (4 more files)
|-- ismags.py
|-- isomorph.py
|-- isomorphvf2.py
|-- matchhelpers.py
|-- ... (6 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```



```

|-- test_ismags.cpython-312.pyc
|-- test_isomorphism.cpython-312.pyc
|-- test_isomorphvf2.cpython-312.pyc
|-- test_match_helpers.cpython-312.pyc
|-- ... (5 more files)
|-- iso_r01_s80.A99
|-- iso_r01_s80.B99
|-- si2_b06_m200.A99
|-- si2_b06_m200.B99
|-- ... (10 more files)
|-- link_analysis/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- hits_alg.cpython-312.pyc
|-- pagerank_alg.cpython-312.pyc
|-- hits_alg.py
|-- pagerank_alg.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_hits.cpython-312.pyc
|-- test_pagerank.cpython-312.pyc
|-- test_hits.py
|-- test_pagerank.py
|-- minors/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- contraction.cpython-312.pyc
|-- contraction.py
|-- tests/
|-- __pycache__/
|-- test_contraction.cpython-312.pyc
|-- test_contraction.py
|-- operators/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- all.cpython-312.pyc
|-- binary.cpython-312.pyc
|-- product.cpython-312.pyc
|-- unary.cpython-312.pyc
|-- all.py
|-- binary.py
|-- product.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_all.cpython-312.pyc
|-- test_binary.cpython-312.pyc

```

```

|-- test_product.cpython-312.pyc
|-- test_unary.cpython-312.pyc
|-- test_all.py
|-- test_binary.py
|-- test_product.py
|-- test_unary.py
|-- unary.py
|-- shortest_paths/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- astar.cpython-312.pyc
|-- dense.cpython-312.pyc
|-- generic.cpython-312.pyc
|-- unweighted.cpython-312.pyc
|-- ... (1 more files)
|-- astar.py
|-- dense.py
|-- generic.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_astar.cpython-312.pyc
|-- test_dense.cpython-312.pyc
|-- test_dense_numpy.cpython-312.pyc
|-- test_generic.cpython-312.pyc
|-- ... (2 more files)
|-- test_astar.py
|-- test_dense.py
|-- test_dense_numpy.py
|-- test_generic.py
|-- ... (3 more files)
|-- unweighted.py
|-- ... (3 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_asteroidal.cpython-312.pyc
|-- test_boundary.cpython-312.pyc
|-- test_bridges.cpython-312.pyc
|-- test_broadcasting.cpython-312.pyc
|-- ... (52 more files)
|-- test_asteroidal.py
|-- test_boundary.py
|-- test_bridges.py
|-- test_broadcasting.py
|-- ... (53 more files)
|-- traversal/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```

```

|-- beamsearch.cpython-312.pyc
|-- breadth_first_search.cpython-312.pyc
|-- depth_first_search.cpython-312.pyc
|-- edgebfs.cpython-312.pyc
|-- ... (1 more files)
|-- beamsearch.py
|-- breadth_first_search.py
|-- depth_first_search.py
|-- edgebfs.py
|-- ... (3 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_beamsearch.cpython-312.pyc
|-- test_bfs.cpython-312.pyc
|-- test_dfs.cpython-312.pyc
|-- test_edgebfs.cpython-312.pyc
|-- ... (1 more files)
|-- test_beamsearch.py
|-- test_bfs.py
|-- test_dfs.py
|-- test_edgebfs.py
|-- ... (2 more files)
|-- tree/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- branchings.cpython-312.pyc
|-- coding.cpython-312.pyc
|-- decomposition.cpython-312.pyc
|-- mst.cpython-312.pyc
|-- ... (2 more files)
|-- branchings.py
|-- coding.py
|-- decomposition.py
|-- mst.py
|-- ... (4 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_branchings.cpython-312.pyc
|-- test_coding.cpython-312.pyc
|-- test_decomposition.cpython-312.pyc
|-- test_mst.cpython-312.pyc
|-- ... (2 more files)
|-- test_branchings.py
|-- test_coding.py
|-- test_decomposition.py
|-- test_mst.py
|-- ... (3 more files)
|-- classes/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- coreviews.cpython-312.pyc
|   |-- digraph.cpython-312.pyc
|   |-- filters.cpython-312.pyc
|   |-- function.cpython-312.pyc
|   |-- ... (5 more files)
|-- coreviews.py
|-- digraph.py
|-- filters.py
|-- function.py
|-- ... (7 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- dispatch_interface.cpython-312.pyc
|       |-- historical_tests.cpython-312.pyc
|       |-- test_coreviews.cpython-312.pyc
|       |-- test_digraph.cpython-312.pyc
|       |-- ... (11 more files)
|   |-- dispatch_interface.py
|   |-- historical_tests.py
|   |-- test_coreviews.py
|   |-- test_digraph.py
|   |-- ... (12 more files)
|-- conftest.py
|-- convert.py
|-- convert_matrix.py
|-- drawing/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- layout.cpython-312.pyc
|       |-- nx_agraph.cpython-312.pyc
|       |-- nx_latex.cpython-312.pyc
|       |-- nx_pydot.cpython-312.pyc
|       |-- ... (1 more files)
|-- layout.py
|-- nx_agraph.py
|-- nx_latex.py
|-- nx_pydot.py
|-- ... (3 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_agraph.cpython-312.pyc
|       |-- test_latex.cpython-312.pyc
|       |-- test_layout.cpython-312.pyc
|       |-- test_pydot.cpython-312.pyc
|       |-- ... (1 more files)

```

```

|-- baseline/
|   |-- test_display_complex.png
|   |-- test_display_empty_graph.png
|   |-- test_display_house_with_colors.png
|   |-- test_display_labels_and_colors.png
|   |-- test_display_shortest_path.png
|   |-- ... (1 more files)
|-- test_agraph.py
|-- test_latex.py
|-- test_layout.py
|-- test_pydot.py
|-- ... (3 more files)
|-- exception.py
|-- generators/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- atlas.cpython-312.pyc
|       |-- classic.cpython-312.pyc
|       |-- cographs.cpython-312.pyc
|       |-- community.cpython-312.pyc
|       |-- ... (25 more files)
|-- atlas.dat.gz
|-- atlas.py
|-- classic.py
|-- cographs.py
|-- ... (28 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_atlas.cpython-312.pyc
|       |-- test_classic.cpython-312.pyc
|       |-- test_cographs.cpython-312.pyc
|       |-- test_community.cpython-312.pyc
|       |-- ... (24 more files)
|-- test_atlas.py
|-- test_classic.py
|-- test_cographs.py
|-- test_community.py
|-- ... (25 more files)
|-- ... (11 more files)
|-- linalg/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- algebraicconnectivity.cpython-312.pyc
|       |-- attrmatrix.cpython-312.pyc
|       |-- bethehessianmatrix.cpython-312.pyc
|       |-- graphmatrix.cpython-312.pyc
|       |-- ... (3 more files)
|-- algebraicconnectivity.py
|-- attrmatrix.py

```

```

|-- bethehessianmatrix.py
|-- graphmatrix.py
|-- ... (5 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_algebraic_connectivity.cpython-312.pyc
        |-- test_attrmatrix.cpython-312.pyc
        |-- test_bethehessian.cpython-312.pyc
        |-- test_graphmatrix.cpython-312.pyc
        |-- ... (3 more files)
    |-- test_algebraic_connectivity.py
    |-- test_attrmatrix.py
    |-- test_bethehessian.py
    |-- test_graphmatrix.py
    |-- ... (4 more files)
|-- readwrite/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- adjlist.cpython-312.pyc
        |-- edgelist.cpython-312.pyc
        |-- gexf.cpython-312.pyc
        |-- gml.cpython-312.pyc
        |-- ... (8 more files)
    |-- adjlist.py
    |-- edgelist.py
    |-- gexf.py
    |-- gml.py
    |-- ... (11 more files)
|-- json_graph/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- adjacency.cpython-312.pyc
        |-- cytoscape.cpython-312.pyc
        |-- node_link.cpython-312.pyc
        |-- tree.cpython-312.pyc
    |-- adjacency.py
    |-- cytoscape.py
    |-- node_link.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_adjacency.cpython-312.pyc
            |-- test_cytoscape.cpython-312.pyc
            |-- test_node_link.cpython-312.pyc
            |-- test_tree.cpython-312.pyc
        |-- test_adjacency.py
        |-- test_cytoscape.py
        |-- test_node_link.py

```

```

|-- test_tree.py
|-- tree.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_adjlist.cpython-312.pyc
|-- test_edgelist.cpython-312.pyc
|-- test_gexf.cpython-312.pyc
|-- test_gml.cpython-312.pyc
|-- ... (7 more files)
|-- test_adjlist.py
|-- test_edgelist.py
|-- test_gexf.py
|-- test_gml.py
|-- ... (8 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_all_random_functions.cpython-312.pyc
|-- test_convert.cpython-312.pyc
|-- test_convert_numpy.cpython-312.pyc
|-- test_convert_pandas.cpython-312.pyc
|-- ... (5 more files)
|-- test_all_random_functions.py
|-- test_convert.py
|-- test_convert_numpy.py
|-- test_convert_pandas.py
|-- ... (6 more files)
|-- utils/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- backends.cpython-312.pyc
|-- configs.cpython-312.pyc
|-- decorators.cpython-312.pyc
|-- heaps.cpython-312.pyc
|-- ... (5 more files)
|-- backends.py
|-- configs.py
|-- decorators.py
|-- heaps.py
|-- ... (7 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test__init__.cpython-312.pyc
|-- test_backends.cpython-312.pyc
|-- test_config.cpython-312.pyc
|-- test_decorators.cpython-312.pyc
|-- ... (6 more files)

```

```

|-- test__init.py
|-- test_backends.py
|-- test_config.py
|-- test_decorators.py
|-- ... (7 more files)
|-- networkx-3.5.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD
|-- WHEEL
|-- entry_points.txt
|-- licenses/
|-- LICENSE.txt
|-- ... (2 more files)
|-- numpy/
|-- __config__.py
|-- __config__.pyi
|-- __init__.cython-30.pxd
|-- __init__.pxd
|-- __init__.py
|-- ... (47 more files)
|-- __pycache__/
|-- __config__.cpython-312.pyc
|-- __init__.cpython-312.pyc
|-- _array_api_info.cpython-312.pyc
|-- _configtool.cpython-312.pyc
|-- _distributor_init.cpython-312.pyc
|-- ... (9 more files)
|-- _core/
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _add_newdocs.cpython-312.pyc
|-- _add_newdocs_scalars.cpython-312.pyc
|-- _asarray.cpython-312.pyc
|-- _dtype.cpython-312.pyc
|-- ... (25 more files)
|-- _add_newdocs.py
|-- _add_newdocs.pyi
|-- _add_newdocs_scalars.py
|-- ... (73 more files)
|-- include/
|-- numpy/
|-- __multiarray_api.c
|-- __multiarray_api.h
|-- __ufunc_api.c
|-- __ufunc_api.h
|-- _neighborhood_iterator_imp.h
|-- ... (22 more files)
|-- random/
|-- LICENSE.txt
|-- bitgen.h

```



```

        |-- distributions.h
        |-- libdivide.h
|-- lib/
    |-- npy-pkg-config/
        |-- mlib.ini
        |-- npymath.ini
    |-- npymath.lib
    |-- pkgconfig/
        |-- numpy.pc
|-- tests/
    |-- __pycache__/
        |-- _locales.cpython-312.pyc
        |-- _natype.cpython-312.pyc
        |-- test__exceptions.cpython-312.pyc
        |-- test_abc.cpython-312.pyc
        |-- test_api.cpython-312.pyc
        |-- ... (62 more files)
    |-- _locales.py
    |-- _natype.py
    |-- data/
        |-- astype_copy.pkl
        |-- generate_umath_validation_data.cpp
        |-- recarray_from_file.fits
        |-- umath-validation-set-README.txt
        |-- umath-validation-set-arccos.csv
        |-- ... (19 more files)
    |-- examples/
        |-- cython/
            |-- __pycache__/
                |-- setup.cpython-312.pyc
            |-- checks.pyx
            |-- meson.build
            |-- setup.py
        |-- limited_api/
            |-- __pycache__/
                |-- setup.cpython-312.pyc
            |-- limited_api1.c
            |-- limited_api2.pyx
            |-- limited_api_latest.c
            |-- meson.build
            |-- setup.py
        |-- test__exceptions.py
        |-- test_abc.py
        |-- test_api.py
        |-- ... (65 more files)
|-- _pyinstaller/
    |-- __init__.py
    |-- __init__.pyi
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- hook-numpy.cpython-312.pyc
    |-- hook-numpy.py
    |-- hook-numpy.pyi

```

```

|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- pyinstaller-smoke.cpython-312.pyc
|       |-- test_pyinstaller.cpython-312.pyc
|   |-- pyinstaller-smoke.py
|   |-- test_pyinstaller.py
|-- _typing/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _add_docstring.cpython-312.pyc
|       |-- _array_like.cpython-312.pyc
|       |-- _char_codes.cpython-312.pyc
|       |-- _dtype_like.cpython-312.pyc
|       |-- ... (7 more files)
|   |-- _add_docstring.py
|   |-- _array_like.py
|   |-- _callable.pyi
|   |-- _char_codes.py
|   |-- ... (10 more files)
|-- _utils/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _conversions.cpython-312.pyc
|       |-- _inspect.cpython-312.pyc
|       |-- _pep440.cpython-312.pyc
|   |-- _conversions.py
|   |-- _conversions.pyi
|   |-- _inspect.py
|   |-- ... (4 more files)
|-- char/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- compat/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- py3k.cpython-312.pyc
|   |-- py3k.py
|   |-- tests/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|-- core/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/

```

```

|-- __init__.cpython-312.pyc
|-- _dtype.cpython-312.pyc
|-- _dtype_ctype.cpython-312.pyc
|-- _internal.cpython-312.pyc
|-- _multiarray_umath.cpython-312.pyc
|-- ... (14 more files)
|-- _dtype.py
|-- _dtype.pyi
|-- _dtype_ctype.py
|-- ... (19 more files)
|-- doc/
|-- __pycache__/
|-- ufuncs.cpython-312.pyc
|-- ufuncs.py
|-- f2py/
|-- __init__.py
|-- __init__.pyi
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- __version__.cpython-312.pyc
|-- _isocbind.cpython-312.pyc
|-- _src_pyf.cpython-312.pyc
|-- ... (13 more files)
|-- __version__.py
|-- _backends/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _backend.cpython-312.pyc
|-- _distutils.cpython-312.pyc
|-- _meson.cpython-312.pyc
|-- _backend.py
|-- _distutils.py
|-- _meson.py
|-- meson.build.template
|-- _isocbind.py
|-- ... (19 more files)
|-- src/
|-- fortranobject.c
|-- fortranobject.h
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_abstract_interface.cpython-312.pyc
|-- test_array_from_pyobj.cpython-312.pyc
|-- test_assumed_shape.cpython-312.pyc
|-- test_block_docstring.cpython-312.pyc
|-- ... (28 more files)
|-- src/
|-- abstract_interface/

```

```
|-- foo.f90
|-- gh18403_mod.f90
|-- array_from_pyobj/
|-- wrapmodule.c
|-- assumed_shape/
|-- .f2py_f2cmap
|-- foo_free.f90
|-- foo_mod.f90
|-- foo_use.f90
|-- precision.f90
|-- block_docstring/
|-- foo.f
|-- callback/
|-- foo.f
|-- gh17797.f90
|-- gh18335.f90
|-- gh25211.f
|-- gh25211.pyf
|-- ... (1 more files)
|-- cli/
|-- gh_22819.pyf
|-- hi77.f
|-- hiworld.f90
|-- common/
|-- block.f
|-- gh19161.f90
|-- crackfortran/
|-- accesstype.f90
|-- common_with_division.f
|-- data_common.f
|-- data_multiplier.f
|-- data_stmts.f90
|-- ... (16 more files)
|-- f2cmap/
|-- .f2py_f2cmap
|-- isoFortranEnvMap.f90
|-- isocintrin/
|-- isoCtests.f90
|-- kind/
|-- foo.f90
|-- mixed/
|-- foo.f
|-- foo_fixed.f90
|-- foo_free.f90
|-- modules/
|-- gh25337/
|-- data.f90
|-- use_data.f90
|-- gh26920/
|-- two_mods_with_no_public_entities.f90
|-- two_mods_with_one_public_routine.f90
|-- module_data_docstring.f90
|-- use_modules.f90
```

```
|-- negative_bounds/  
    |-- issue_20853.f90  
|-- parameter/  
    |-- constant_array.f90  
    |-- constant_both.f90  
    |-- constant_compound.f90  
    |-- constant_integer.f90  
    |-- constant_non_compound.f90  
    |-- ... (1 more files)  
|-- quoted_character/  
    |-- foo.f  
|-- regression/  
    |-- AB.inc  
    |-- assignOnlyModule.f90  
    |-- datonly.f90  
    |-- f77comments.f  
    |-- f77fixedform.f95  
    |-- ... (4 more files)  
|-- return_character/  
    |-- foo77.f  
    |-- foo90.f90  
|-- return_complex/  
    |-- foo77.f  
    |-- foo90.f90  
|-- return_integer/  
    |-- foo77.f  
    |-- foo90.f90  
|-- return_logical/  
    |-- foo77.f  
    |-- foo90.f90  
|-- return_real/  
    |-- foo77.f  
    |-- foo90.f90  
|-- routines/  
    |-- funcfortranname.f  
    |-- funcfortranname.pyf  
    |-- subrout.f  
    |-- subrout.pyf  
|-- size/  
    |-- foo.f90  
|-- string/  
    |-- char.f90  
    |-- fixed_string.f90  
    |-- gh24008.f  
    |-- gh24662.f90  
    |-- gh25286.f90  
    |-- ... (4 more files)  
|-- value_attrspec/  
    |-- gh21665.f90  
|-- test_abstract_interface.py  
|-- test_array_from_pyobj.py  
|-- test_assumed_shape.py  
|-- test_block_docstring.py
```

```

|-- ... (30 more files)
|-- fft/
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _helper.cpython-312.pyc
|-- _pocketfft.cpython-312.pyc
|-- helper.cpython-312.pyc
|-- _helper.py
|-- _helper.pyi
|-- _pocketfft.py
|-- ... (7 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_helper.cpython-312.pyc
|-- test_pocketfft.cpython-312.pyc
|-- test_helper.py
|-- test_pocketfft.py
|-- lib/
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _array_utils_impl.cpython-312.pyc
|-- _arraypad_impl.cpython-312.pyc
|-- _arraysetops_impl.cpython-312.pyc
|-- _arrayiterator_impl.cpython-312.pyc
|-- ... (26 more files)
|-- _array_utils_impl.py
|-- _array_utils_impl.pyi
|-- _arraypad_impl.py
|-- ... (59 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_datasource.cpython-312.pyc
|-- test_iotools.cpython-312.pyc
|-- test_version.cpython-312.pyc
|-- test_array_utils.cpython-312.pyc
|-- ... (21 more files)
|-- data/
|-- py2-np0-objarr.npy
|-- py2-objarr.npy
|-- py2-objarr.npz
|-- py3-objarr.npy
|-- py3-objarr.npz
|-- ... (2 more files)
|-- test_datasource.py
|-- test_iotools.py

```

```

|-- test__version.py
|-- test_array_utils.py
|-- ... (23 more files)
|-- linalg/
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _linalg.cpython-312.pyc
|-- linalg.cpython-312.pyc
|-- _linalg.py
|-- _linalg.pyi
|-- _umath_linalg.cp312-win_amd64.lib
|-- ... (9 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_deprecations.cpython-312.pyc
|-- test_linalg.cpython-312.pyc
|-- test_regression.cpython-312.pyc
|-- test_deprecations.py
|-- test_linalg.py
|-- test_regression.py
|-- ma/
|-- API_CHANGES.txt
|-- LICENSE
|-- README.rst
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- core.cpython-312.pyc
|-- extras.cpython-312.pyc
|-- mrecords.cpython-312.pyc
|-- testutils.cpython-312.pyc
|-- ... (1 more files)
|-- ... (10 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_arrayobject.cpython-312.pyc
|-- test_core.cpython-312.pyc
|-- test_deprecations.cpython-312.pyc
|-- test_extras.cpython-312.pyc
|-- ... (4 more files)
|-- test_arrayobject.py
|-- test_core.py
|-- test_deprecations.py
|-- test_extras.py
|-- ... (5 more files)
|-- matrixlib/

```

```

|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- defmatrix.cpython-312.pyc
|-- defmatrix.py
|-- defmatrix.pyi
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_defmatrix.cpython-312.pyc
        |-- test_interaction.cpython-312.pyc
        |-- test_masked_matrix.cpython-312.pyc
        |-- test_matrix_linalg.cpython-312.pyc
        |-- ... (3 more files)
    |-- test_defmatrix.py
    |-- test_interaction.py
    |-- test_masked_matrix.py
    |-- test_matrix_linalg.py
    |-- ... (4 more files)
|-- polynomial/
    |-- __init__.py
    |-- __init__.pyi
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _polybase.cpython-312.pyc
        |-- chebyshev.cpython-312.pyc
        |-- hermite.cpython-312.pyc
        |-- hermite_e.cpython-312.pyc
        |-- ... (4 more files)
    |-- _polybase.py
    |-- _polybase.pyi
    |-- _polytypes.pyi
    |-- ... (16 more files)
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_chebyshev.cpython-312.pyc
            |-- test_classes.cpython-312.pyc
            |-- test_hermite.cpython-312.pyc
            |-- test_hermite_e.cpython-312.pyc
            |-- ... (6 more files)
        |-- test_chebyshev.py
        |-- test_classes.py
        |-- test_hermite.py
        |-- test_hermite_e.py
        |-- ... (7 more files)
|-- random/
    |-- LICENSE.md
    |-- __init__.pxd
    |-- __init__.py

```



```

|-- __init__.pyi
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _pickle.cpython-312.pyc
|-- _bounded_integers.cp312-win_amd64.lib
|-- ... (34 more files)
|-- _examples/
|   |-- cffi/
|       |-- __pycache__/
|           |-- extending.cpython-312.pyc
|           |-- parse.cpython-312.pyc
|       |-- extending.py
|       |-- parse.py
|-- cython/
|   |-- extending.pyx
|   |-- extending_distributions.pyx
|   |-- meson.build
|-- numba/
|   |-- __pycache__/
|       |-- extending.cpython-312.pyc
|       |-- extending_distributions.cpython-312.pyc
|   |-- extending.py
|   |-- extending_distributions.py
|-- lib/
|   |-- npyrandom.lib
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_direct.cpython-312.pyc
|       |-- test_extending.cpython-312.pyc
|       |-- test_generator_mt19937.cpython-312.pyc
|       |-- test_generator_mt19937_regressions.cpython-312.pyc
|       |-- ... (6 more files)
|-- data/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|   |-- generator_pcg64_np121.pkl.gz
|   |-- generator_pcg64_np126.pkl.gz
|   |-- mt19937-testset-1.csv
|   |-- mt19937-testset-2.csv
|   |-- ... (10 more files)
|-- test_direct.py
|-- test_extending.py
|-- test_generator_mt19937.py
|-- test_generator_mt19937_regressions.py
|-- ... (8 more files)
|-- rec/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc

```

```
|-- strings/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- testing/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- overrides.cpython-312.pyc
|       |-- print_coercion_tables.cpython-312.pyc
|-- _private/
|   |-- __init__.py
|   |-- __init__.pyi
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- extbuild.cpython-312.pyc
|       |-- utils.cpython-312.pyc
|   |-- extbuild.py
|   |-- extbuild.pyi
|   |-- utils.py
|   |-- ... (2 more files)
|-- overrides.py
|-- overrides.pyi
|-- print_coercion_tables.py
|-- ... (4 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_utils.cpython-312.pyc
|   |-- test_utils.py
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test__all__.cpython-312.pyc
|       |-- test_configtool.cpython-312.pyc
|       |-- test_ctypeslib.cpython-312.pyc
|       |-- test_lazyloading.cpython-312.pyc
|       |-- ... (7 more files)
|   |-- test__all__.py
|   |-- test_configtool.py
|   |-- test_ctypeslib.py
|   |-- test_lazyloading.py
|   |-- ... (8 more files)
|-- typing/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- mypy_plugin.cpython-312.pyc
|-- mypy_plugin.py
```

```

|-- tests/
|  |-- __init__.py
|  |-- __pycache__/
|     |-- __init__.cpython-312.pyc
|     |-- test_isfile.cpython-312.pyc
|     |-- test_runtime.cpython-312.pyc
|     |-- test_typing.cpython-312.pyc
|-- data/
|  |-- fail/
|     |-- arithmetic.pyi
|     |-- array_constructors.pyi
|     |-- array_like.pyi
|     |-- array_pad.pyi
|     |-- arrayprint.pyi
|     |-- ... (41 more files)
|  |-- misc/
|     |-- extended_precision.pyi
|-- mypy.ini
|-- pass/
|  |-- __pycache__/
|     |-- arithmetic.cpython-312.pyc
|     |-- array_constructors.cpython-312.pyc
|     |-- array_like.cpython-312.pyc
|     |-- arrayprint.cpython-312.pyc
|     |-- arrayiterator.cpython-312.pyc
|     |-- ... (31 more files)
|  |-- arithmetic.py
|  |-- array_constructors.py
|  |-- array_like.py
|  |-- arrayprint.py
|  |-- arrayiterator.py
|  |-- ... (32 more files)
|-- reveal/
|  |-- arithmetic.pyi
|  |-- array_api_info.pyi
|  |-- array_constructors.pyi
|  |-- arraypad.pyi
|  |-- arrayprint.pyi
|  |-- ... (55 more files)
|-- test_isfile.py
|-- test_runtime.py
|-- test_typing.py
|-- numpy-2.2.6.dist-info/
|  |-- DELVEWHEEL
|  |-- INSTALLER
|  |-- LICENSE.txt
|  |-- METADATA
|  |-- RECORD
|  |-- ... (2 more files)
|-- numpy.libs/
|  |-- libscipy_openblas64_-13e2df515630b4a41f92893938845698.dll
|  |-- msvcp140-263139962577ecda4cd9469ca360a746.dll
|-- opencv_python-4.11.0.86.dist-info/

```

```

|-- INSTALLER
|-- LICENSE-3RD-PARTY.txt
|-- LICENSE.txt
|-- METADATA
|-- RECORD
|-- ... (2 more files)
|-- opencv_python_headless-4.10.0.84.dist-info/
|-- INSTALLER
|-- LICENSE-3RD-PARTY.txt
|-- LICENSE.txt
|-- METADATA
|-- RECORD
|-- ... (2 more files)
|-- packaging/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _elffile.cpython-312.pyc
|-- _manylinux.cpython-312.pyc
|-- _musllinux.cpython-312.pyc
|-- _parser.cpython-312.pyc
|-- ... (9 more files)
|-- _elffile.py
|-- _manylinux.py
|-- _musllinux.py
|-- _parser.py
|-- ... (12 more files)
|-- licenses/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _spdx.cpython-312.pyc
|-- _spdx.py
|-- packaging-25.0.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD
|-- WHEEL
|-- licenses/
|-- LICENSE
|-- LICENSE.APACHE
|-- LICENSE.BSD
|-- pandas/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _typing.cpython-312.pyc
|-- _version.cpython-312.pyc
|-- _version_meson.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- ... (1 more files)
|-- _config/
|-- __init__.py

```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- config.cpython-312.pyc
|   |-- dates.cpython-312.pyc
|   |-- display.cpython-312.pyc
|   |-- localization.cpython-312.pyc
|-- config.py
|-- dates.py
|-- display.py
|-- localization.py
|-- _libs/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|   |-- algos.cp312-win_amd64.lib
|   |-- algos.cp312-win_amd64.pyd
|   |-- algos.pyi
|   |-- arrays.cp312-win_amd64.lib
|   |-- ... (75 more files)
|-- tslibs/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|   |-- base.cp312-win_amd64.lib
|   |-- base.cp312-win_amd64.pyd
|   |-- ccalendar.cp312-win_amd64.lib
|   |-- ccalendar.cp312-win_amd64.pyd
|   |-- ... (44 more files)
|-- window/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|   |-- aggregations.cp312-win_amd64.lib
|   |-- aggregations.cp312-win_amd64.pyd
|   |-- aggregations.pyi
|   |-- indexers.cp312-win_amd64.lib
|   |-- ... (3 more files)
|-- _testing/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _hypothesis.cpython-312.pyc
|       |-- _io.cpython-312.pyc
|       |-- _warnings.cpython-312.pyc
|       |-- asserters.cpython-312.pyc
|       |-- ... (2 more files)
|   |-- _hypothesis.py
|   |-- _io.py
|   |-- _warnings.py
|   |-- asserters.py
|   |-- ... (3 more files)
|-- _typing.py
|-- _version.py

```

```
|-- _version_meson.py
|-- api/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|   |-- extensions/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|   |-- indexers/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|   |-- interchange/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|   |-- types/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|   |-- typing/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|-- arrays/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- compat/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _constants.cpython-312.pyc
|       |-- _optional.cpython-312.pyc
|       |-- compressors.cpython-312.pyc
|       |-- pickle_compat.cpython-312.pyc
|       |-- ... (1 more files)
|   |-- _constants.py
|   |-- _optional.py
|   |-- compressors.py
|-- numpy/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- function.cpython-312.pyc
|   |-- function.py
|-- pickle_compat.py
|-- ... (3 more files)
|-- conftest.py
|-- core/
|   |-- __init__.py
|   |-- __pycache__/
```

```

|-- __init__.cpython-312.pyc
|-- accessor.cpython-312.pyc
|-- algorithms.cpython-312.pyc
|-- api.cpython-312.pyc
|-- apply.cpython-312.pyc
|-- ... (17 more files)
|-- _numba/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- executor.cpython-312.pyc
|-- extensions.cpython-312.pyc
|-- executor.py
|-- extensions.py
|-- kernels/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- mean_.cpython-312.pyc
|-- min_max_.cpython-312.pyc
|-- shared.cpython-312.pyc
|-- sum_.cpython-312.pyc
|-- ... (1 more files)
|-- mean_.py
|-- min_max_.py
|-- shared.py
|-- sum_.py
|-- ... (2 more files)
|-- accessor.py
|-- algorithms.py
|-- api.py
|-- apply.py
|-- array_algos/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- datetimelike_accumulations.cpython-312.pyc
|-- masked_accumulations.cpython-312.pyc
|-- masked_reductions.cpython-312.pyc
|-- putmask.cpython-312.pyc
|-- ... (4 more files)
|-- datetimelike_accumulations.py
|-- masked_accumulations.py
|-- masked_reductions.py
|-- putmask.py
|-- ... (5 more files)
|-- ... (36 more files)
|-- arrays/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _arrow_string_mixins.cpython-312.pyc
|-- _mixins.cpython-312.pyc

```

```

|-- _ranges.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- ... (15 more files)
|-- _arrow_string_mixins.py
|-- _mixins.py
|-- _ranges.py
|-- _utils.py
|-- arrow/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _arrow_utils.cpython-312.pyc
|-- accessors.cpython-312.pyc
|-- array.cpython-312.pyc
|-- extension_types.cpython-312.pyc
|-- _arrow_utils.py
|-- accessors.py
|-- array.py
|-- extension_types.py
|-- ... (18 more files)
|-- sparse/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- accessor.cpython-312.pyc
|-- array.cpython-312.pyc
|-- scipy_sparse.cpython-312.pyc
|-- accessor.py
|-- array.py
|-- scipy_sparse.py
|-- computation/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- align.cpython-312.pyc
|-- api.cpython-312.pyc
|-- check.cpython-312.pyc
|-- common.cpython-312.pyc
|-- ... (8 more files)
|-- align.py
|-- api.py
|-- check.py
|-- common.py
|-- ... (9 more files)
|-- dtypes/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- astype.cpython-312.pyc
|-- base.cpython-312.pyc
|-- cast.cpython-312.pyc
|-- ... (6 more files)

```



```

|-- api.py
|-- astype.py
|-- base.py
|-- cast.py
|-- ... (7 more files)
|-- groupby/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- base.cpython-312.pyc
|-- categorical.cpython-312.pyc
|-- generic.cpython-312.pyc
|-- groupby.cpython-312.pyc
|-- ... (4 more files)
|-- base.py
|-- categorical.py
|-- generic.py
|-- groupby.py
|-- ... (5 more files)
|-- indexers/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- objects.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- objects.py
|-- utils.py
|-- indexes/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- accessors.cpython-312.pyc
|-- api.cpython-312.pyc
|-- base.cpython-312.pyc
|-- category.cpython-312.pyc
|-- ... (9 more files)
|-- accessors.py
|-- api.py
|-- base.py
|-- category.py
|-- ... (10 more files)
|-- interchange/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- buffer.cpython-312.pyc
|-- column.cpython-312.pyc
|-- dataframe.cpython-312.pyc
|-- dataframe_protocol.cpython-312.pyc
|-- ... (2 more files)
|-- buffer.py
|-- column.py
|-- dataframe.py

```

```

|-- dataframe_protocol.py
|-- ... (3 more files)
|-- internals/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- array_manager.cpython-312.pyc
|-- base.cpython-312.pyc
|-- blocks.cpython-312.pyc
|-- ... (4 more files)
|-- api.py
|-- array_manager.py
|-- base.py
|-- blocks.py
|-- ... (5 more files)
|-- methods/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- describe.cpython-312.pyc
|-- selectn.cpython-312.pyc
|-- to_dict.cpython-312.pyc
|-- describe.py
|-- selectn.py
|-- to_dict.py
|-- ops/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- array_ops.cpython-312.pyc
|-- common.cpython-312.pyc
|-- dispatch.cpython-312.pyc
|-- docstrings.cpython-312.pyc
|-- ... (3 more files)
|-- array_ops.py
|-- common.py
|-- dispatch.py
|-- docstrings.py
|-- ... (4 more files)
|-- reshape/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- concat.cpython-312.pyc
|-- encoding.cpython-312.pyc
|-- melt.cpython-312.pyc
|-- ... (5 more files)
|-- api.py
|-- concat.py
|-- encoding.py
|-- melt.py

```

```

    |-- ... (6 more files)
|-- sparse/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- api.cpython-312.pyc
    |-- api.py
|-- strings/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- accessor.cpython-312.pyc
        |-- base.cpython-312.pyc
        |-- object_array.cpython-312.pyc
    |-- accessor.py
    |-- base.py
    |-- object_array.py
|-- tools/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- datetimes.cpython-312.pyc
        |-- numeric.cpython-312.pyc
        |-- timedeltas.cpython-312.pyc
        |-- times.cpython-312.pyc
    |-- datetimes.py
    |-- numeric.py
    |-- timedeltas.py
    |-- times.py
|-- util/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- hashing.cpython-312.pyc
        |-- numba_.cpython-312.pyc
    |-- hashing.py
    |-- numba_.py
|-- window/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- common.cpython-312.pyc
        |-- doc.cpython-312.pyc
        |-- ewm.cpython-312.pyc
        |-- expanding.cpython-312.pyc
        |-- ... (3 more files)
    |-- common.py
    |-- doc.py
    |-- ewm.py
    |-- expanding.py
    |-- ... (4 more files)
|-- errors/
    |-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- io/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _util.cpython-312.pyc
|-- api.cpython-312.pyc
|-- clipboards.cpython-312.pyc
|-- common.cpython-312.pyc
|-- ... (11 more files)
|-- _util.py
|-- api.py
|-- clipboard/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- clipboards.py
|-- common.py
|-- excel/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _base.cpython-312.pyc
|-- _calamine.cpython-312.pyc
|-- _odfreader.cpython-312.pyc
|-- _odswriter.cpython-312.pyc
|-- ... (5 more files)
|-- _base.py
|-- _calamine.py
|-- _odfreader.py
|-- _odswriter.py
|-- ... (6 more files)
|-- ... (18 more files)
|-- formats/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _color_data.cpython-312.pyc
|-- console.cpython-312.pyc
|-- css.cpython-312.pyc
|-- csvs.cpython-312.pyc
|-- ... (9 more files)
|-- _color_data.py
|-- console.py
|-- css.py
|-- csvs.py
|-- ... (11 more files)
|-- templates/
|-- html.tpl
|-- html_style.tpl
|-- html_table.tpl
|-- latex.tpl

```

```

        |-- latex_longtable.tpl
        |-- ... (2 more files)
|-- json/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _json.cpython-312.pyc
        |-- _normalize.cpython-312.pyc
        |-- _table_schema.cpython-312.pyc
    |-- _json.py
    |-- _normalize.py
    |-- _table_schema.py
|-- parsers/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- arrow_parser_wrapper.cpython-312.pyc
        |-- base_parser.cpython-312.pyc
        |-- c_parser_wrapper.cpython-312.pyc
        |-- python_parser.cpython-312.pyc
        |-- ... (1 more files)
    |-- arrow_parser_wrapper.py
    |-- base_parser.py
    |-- c_parser_wrapper.py
    |-- python_parser.py
    |-- ... (2 more files)
|-- sas/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- sas7bdat.cpython-312.pyc
        |-- sas_constants.cpython-312.pyc
        |-- sas_xport.cpython-312.pyc
        |-- sasreader.cpython-312.pyc
    |-- sas7bdat.py
    |-- sas_constants.py
    |-- sas_xport.py
    |-- sasreader.py
|-- plotting/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _core.cpython-312.pyc
        |-- _misc.cpython-312.pyc
    |-- _core.py
    |-- _matplotlib/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- boxplot.cpython-312.pyc
            |-- converter.cpython-312.pyc
            |-- core.cpython-312.pyc
            |-- groupby.cpython-312.pyc

```

```

        |-- ... (5 more files)
    |-- boxplot.py
    |-- converter.py
    |-- core.py
    |-- groupby.py
    |-- ... (6 more files)
|-- _misc.py
|-- ... (16 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_aggregation.cpython-312.pyc
        |-- test_algos.cpython-312.pyc
        |-- test_common.cpython-312.pyc
        |-- test_downstream.cpython-312.pyc
        |-- ... (9 more files)
    |-- api/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_api.cpython-312.pyc
            |-- test_types.cpython-312.pyc
        |-- test_api.py
        |-- test_types.py
    |-- apply/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- common.cpython-312.pyc
            |-- test_frame_apply.cpython-312.pyc
            |-- test_frame_apply_relabeling.cpython-312.pyc
            |-- test_frame_transform.cpython-312.pyc
            |-- ... (6 more files)
        |-- common.py
        |-- test_frame_apply.py
        |-- test_frame_apply_relabeling.py
        |-- test_frame_transform.py
        |-- ... (7 more files)
    |-- arithmetic/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- common.cpython-312.pyc
            |-- conftest.cpython-312.pyc
            |-- test_array_ops.cpython-312.pyc
            |-- test_categorical.cpython-312.pyc
            |-- ... (6 more files)
        |-- common.py
        |-- conftest.py
        |-- test_array_ops.py
        |-- test_categorical.py
        |-- ... (7 more files)

```

```
|-- arrays/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- masked_shared.cpython-312.pyc
|       |-- test_array.cpython-312.pyc
|       |-- test_datetimelike.cpython-312.pyc
|       |-- test_datetimes.cpython-312.pyc
|       |-- ... (3 more files)
|-- boolean/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_arithmetic.cpython-312.pyc
|       |-- test_astype.cpython-312.pyc
|       |-- test_comparison.cpython-312.pyc
|       |-- test_construction.cpython-312.pyc
|       |-- ... (6 more files)
|   |-- test_arithmetic.py
|   |-- test_astype.py
|   |-- test_comparison.py
|   |-- test_construction.py
|   |-- ... (7 more files)
|-- categorical/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_algos.cpython-312.pyc
|       |-- test_analytics.cpython-312.pyc
|       |-- test_api.cpython-312.pyc
|       |-- test_astype.cpython-312.pyc
|       |-- ... (12 more files)
|   |-- test_algos.py
|   |-- test_analytics.py
|   |-- test_api.py
|   |-- test_astype.py
|   |-- ... (13 more files)
|-- datetimes/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_constructors.cpython-312.pyc
|       |-- test_cumulative.cpython-312.pyc
|       |-- test_reductions.cpython-312.pyc
|   |-- test_constructors.py
|   |-- test_cumulative.py
|   |-- test_reductions.py
|-- floating/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- conftest.cpython-312.pyc
|       |-- test_arithmetic.cpython-312.pyc
```

```

|-- test_astype.cpython-312.pyc
|-- test_comparison.cpython-312.pyc
|-- ... (6 more files)
|-- conftest.py
|-- test_arithmetic.py
|-- test_astype.py
|-- test_comparison.py
|-- ... (7 more files)
|-- integer/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_arithmetic.cpython-312.pyc
|-- test_comparison.cpython-312.pyc
|-- test_concat.cpython-312.pyc
|-- ... (6 more files)
|-- conftest.py
|-- test_arithmetic.py
|-- test_comparison.py
|-- test_concat.py
|-- ... (7 more files)
|-- interval/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_formats.cpython-312.pyc
|-- test_interval.cpython-312.pyc
|-- test_interval_pyarrow.cpython-312.pyc
|-- ... (1 more files)
|-- test_astype.py
|-- test_formats.py
|-- test_interval.py
|-- test_interval_pyarrow.py
|-- ... (2 more files)
|-- masked/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_arithmetic.cpython-312.pyc
|-- test_arrow_compat.cpython-312.pyc
|-- test_function.cpython-312.pyc
|-- test_indexing.cpython-312.pyc
|-- test_arithmetic.py
|-- test_arrow_compat.py
|-- test_function.py
|-- test_indexing.py
|-- masked_shared.py
|-- numpy_/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```



```

|-- test_indexing.cpython-312.pyc
|-- test_numpy.cpython-312.pyc
|-- test_indexing.py
|-- test_numpy.py
|-- period/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_arrow_compat.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_reductions.cpython-312.pyc
|-- test_arrow_compat.py
|-- test_astype.py
|-- test_constructors.py
|-- test_reductions.py
|-- sparse/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_accessor.cpython-312.pyc
|-- test_arithmetics.cpython-312.pyc
|-- test_array.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- ... (7 more files)
|-- test_accessor.py
|-- test_arithmetics.py
|-- test_array.py
|-- test_astype.py
|-- ... (8 more files)
|-- string_/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_concat.cpython-312.pyc
|-- test_string.cpython-312.pyc
|-- test_string_arrow.cpython-312.pyc
|-- test_concat.py
|-- test_string.py
|-- test_string_arrow.py
|-- test_array.py
|-- test_datetimelike.py
|-- test_datetimes.py
|-- ... (16 more files)
|-- timedeltas/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_cumulative.cpython-312.pyc
|-- test_reductions.cpython-312.pyc
|-- test_constructors.py
|-- test_cumulative.py

```

```

|-- test_reductions.py
|-- base/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_conversion.cpython-312.pyc
|-- test_fillna.cpython-312.pyc
|-- ... (4 more files)
|-- common.py
|-- test_constructors.py
|-- test_conversion.py
|-- test_fillna.py
|-- ... (5 more files)
|-- computation/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_compat.cpython-312.pyc
|-- test_eval.cpython-312.pyc
|-- test_compat.py
|-- test_eval.py
|-- config/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_config.cpython-312.pyc
|-- test_localization.cpython-312.pyc
|-- test_config.py
|-- test_localization.py
|-- construction/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_extract_array.cpython-312.pyc
|-- test_extract_array.py
|-- copy_view/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_array.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_chained_assignment_deprecation.cpython-312.pyc
|-- test_clip.cpython-312.pyc
|-- ... (11 more files)
|-- index/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_datetimeindex.cpython-312.pyc
|-- test_index.cpython-312.pyc
|-- test_periodindex.cpython-312.pyc

```

```

        |-- test_timedeltaindex.cpython-312.pyc
        |-- test_datetimeindex.py
        |-- test_index.py
        |-- test_periodindex.py
        |-- test_timedeltaindex.py
    |-- test_array.py
    |-- test_astype.py
    |-- test_chained_assignment_deprecation.py
    |-- test_clip.py
    |-- ... (13 more files)
|-- dtypes/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_common.cpython-312.pyc
        |-- test_concat.cpython-312.pyc
        |-- test_dtypes.cpython-312.pyc
        |-- test_generic.cpython-312.pyc
        |-- ... (2 more files)
    |-- cast/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_can_hold_element.cpython-312.pyc
            |-- test_construct_from_scalar.cpython-312.pyc
            |-- test_construct_ndarray.cpython-312.pyc
            |-- test_construct_object_arr.cpython-312.pyc
            |-- ... (7 more files)
        |-- test_can_hold_element.py
        |-- test_construct_from_scalar.py
        |-- test_construct_ndarray.py
        |-- test_construct_object_arr.py
        |-- ... (8 more files)
    |-- test_common.py
    |-- test_concat.py
    |-- test_dtypes.py
    |-- test_generic.py
    |-- ... (4 more files)
|-- extension/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- conftest.cpython-312.pyc
        |-- test_arrow.cpython-312.pyc
        |-- test_categorical.cpython-312.pyc
        |-- test_common.cpython-312.pyc
        |-- ... (8 more files)
    |-- array_with_attr/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- array.cpython-312.pyc
            |-- test_array_with_attr.cpython-312.pyc

```

```

|-- array.py
|-- test_array_with_attr.py
|-- base/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- accumulate.cpython-312.pyc
|-- base.cpython-312.pyc
|-- casting.cpython-312.pyc
|-- constructors.cpython-312.pyc
|-- ... (14 more files)
|-- accumulate.py
|-- base.py
|-- casting.py
|-- constructors.py
|-- ... (15 more files)
|-- conftest.py
|-- date/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- array.cpython-312.pyc
|-- array.py
|-- decimal/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- array.cpython-312.pyc
|-- test_decimal.cpython-312.pyc
|-- array.py
|-- test_decimal.py
|-- json/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- array.cpython-312.pyc
|-- test_json.cpython-312.pyc
|-- array.py
|-- test_json.py
|-- list/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- array.cpython-312.pyc
|-- test_list.cpython-312.pyc
|-- array.py
|-- test_list.py
|-- test_arrow.py
|-- test_categorical.py
|-- test_common.py
|-- ... (15 more files)
|-- frame/
|-- __init__.py

```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- common.cpython-312.pyc
|   |-- conftest.cpython-312.pyc
|   |-- test_alter_axes.cpython-312.pyc
|   |-- test_api.cpython-312.pyc
|   |-- ... (17 more files)
|-- common.py
|-- conftest.py
|-- constructors/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_from_dict.cpython-312.pyc
|       |-- test_from_records.cpython-312.pyc
|   |-- test_from_dict.py
|   |-- test_from_records.py
|-- indexing/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_coercion.cpython-312.pyc
|       |-- test_delitem.cpython-312.pyc
|       |-- test_get.cpython-312.pyc
|       |-- test_get_value.cpython-312.pyc
|       |-- ... (9 more files)
|   |-- test_coercion.py
|   |-- test_delitem.py
|   |-- test_get.py
|   |-- test_get_value.py
|   |-- ... (10 more files)
|-- methods/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_add_prefix_suffix.cpython-312.pyc
|       |-- test_align.cpython-312.pyc
|       |-- test_asfreq.cpython-312.pyc
|       |-- test_asof.cpython-312.pyc
|       |-- ... (77 more files)
|   |-- test_add_prefix_suffix.py
|   |-- test_align.py
|   |-- test_asfreq.py
|   |-- test_asof.py
|   |-- ... (78 more files)
|-- test_alter_axes.py
|-- test_api.py
|-- ... (21 more files)
|-- generic/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_duplicate_labels.cpython-312.pyc

```

```

|-- test_finalize.cpython-312.pyc
|-- test_frame.cpython-312.pyc
|-- test_generic.cpython-312.pyc
|-- ... (3 more files)
|-- test_duplicate_labels.py
|-- test_finalize.py
|-- test_frame.py
|-- test_generic.py
|-- ... (4 more files)
|-- groupby/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_all_methods.cpython-312.pyc
|-- test_api.cpython-312.pyc
|-- test_apply.cpython-312.pyc
|-- ... (20 more files)
|-- aggregate/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_aggregate.cpython-312.pyc
|-- test_cython.cpython-312.pyc
|-- test_numba.cpython-312.pyc
|-- test_other.cpython-312.pyc
|-- test_aggregate.py
|-- test_cython.py
|-- test_numba.py
|-- test_other.py
|-- conftest.py
|-- methods/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_corrwith.cpython-312.pyc
|-- test_describe.cpython-312.pyc
|-- test_groupby_shift_diff.cpython-312.pyc
|-- test_is_monotonic.cpython-312.pyc
|-- ... (8 more files)
|-- test_corrwith.py
|-- test_describe.py
|-- test_groupby_shift_diff.py
|-- test_is_monotonic.py
|-- ... (9 more files)
|-- test_all_methods.py
|-- test_api.py
|-- test_apply.py
|-- ... (24 more files)
|-- transform/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```

```

|-- test_numba.cpython-312.pyc
|-- test_transform.cpython-312.pyc
|-- test_numba.py
|-- test_transform.py
|-- indexes/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_any_index.cpython-312.pyc
|-- test_base.cpython-312.pyc
|-- test_common.cpython-312.pyc
|-- ... (9 more files)
|-- base_class/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_formats.cpython-312.pyc
|-- test_indexing.cpython-312.pyc
|-- test_pickle.cpython-312.pyc
|-- ... (3 more files)
|-- test_constructors.py
|-- test_formats.py
|-- test_indexing.py
|-- test_pickle.py
|-- ... (4 more files)
|-- categorical/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_append.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_category.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- ... (7 more files)
|-- test_append.py
|-- test_astype.py
|-- test_category.py
|-- test_constructors.py
|-- ... (8 more files)
|-- conftest.py
|-- datetimelike_/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_drop_duplicates.cpython-312.pyc
|-- test_equals.cpython-312.pyc
|-- test_indexing.cpython-312.pyc
|-- test_is_monotonic.cpython-312.pyc
|-- ... (3 more files)
|-- test_drop_duplicates.py
|-- test_equals.py

```

```

|-- test_indexing.py
|-- test_is_monotonic.py
|-- ... (4 more files)
|-- datetimes/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_arithmetic.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_date_range.cpython-312.pyc
|-- test_datetime.cpython-312.pyc
|-- ... (13 more files)
|-- methods/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_asof.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_delete.cpython-312.pyc
|-- test_factorize.cpython-312.pyc
|-- ... (18 more files)
|-- test_asof.py
|-- test_astype.py
|-- test_delete.py
|-- test_factorize.py
|-- ... (19 more files)
|-- test_arithmetic.py
|-- test_constructors.py
|-- test_date_range.py
|-- test_datetime.py
|-- ... (15 more files)
|-- interval/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_equals.cpython-312.pyc
|-- test_formats.cpython-312.pyc
|-- ... (7 more files)
|-- test_astype.py
|-- test_constructors.py
|-- test_equals.py
|-- test_formats.py
|-- ... (8 more files)
|-- multi/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_analytics.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_compat.cpython-312.pyc

```



```

    |-- ... (24 more files)
|-- conftest.py
|-- test_analytics.py
|-- test_astype.py
|-- test_compat.py
|-- ... (25 more files)
|-- numeric/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_astype.cpython-312.pyc
        |-- test_indexing.cpython-312.pyc
        |-- test_join.cpython-312.pyc
        |-- test_numeric.cpython-312.pyc
        |-- ... (1 more files)
    |-- test_astype.py
    |-- test_indexing.py
    |-- test_join.py
    |-- test_numeric.py
    |-- ... (2 more files)
|-- object/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_astype.cpython-312.pyc
        |-- test_indexing.cpython-312.pyc
    |-- test_astype.py
    |-- test_indexing.py
|-- period/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_constructors.cpython-312.pyc
        |-- test_formats.cpython-312.pyc
        |-- test_freq_attr.cpython-312.pyc
        |-- test_indexing.cpython-312.pyc
        |-- ... (11 more files)
|-- methods/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_asfreq.cpython-312.pyc
        |-- test_astype.cpython-312.pyc
        |-- test_factorize.cpython-312.pyc
        |-- test_fillna.cpython-312.pyc
        |-- ... (5 more files)
    |-- test_asfreq.py
    |-- test_astype.py
    |-- test_factorize.py
    |-- test_fillna.py
    |-- ... (6 more files)
|-- test_constructors.py
|-- test_formats.py

```

```

|-- test_freq_attr.py
|-- test_indexing.py
|-- ... (13 more files)
|-- ranges/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_indexing.cpython-312.pyc
|-- test_join.cpython-312.pyc
|-- test_range.cpython-312.pyc
|-- ... (1 more files)
|-- test_constructors.py
|-- test_indexing.py
|-- test_join.py
|-- test_range.py
|-- ... (2 more files)
|-- string/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_indexing.cpython-312.pyc
|-- test_astype.py
|-- test_indexing.py
|-- test_any_index.py
|-- test_base.py
|-- test_common.py
|-- ... (22 more files)
|-- timedeltas/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_arithmetic.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_delete.cpython-312.pyc
|-- test_formats.cpython-312.pyc
|-- ... (10 more files)
|-- methods/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_astype.cpython-312.pyc
|-- test_factorize.cpython-312.pyc
|-- test_fillna.cpython-312.pyc
|-- test_insert.cpython-312.pyc
|-- ... (2 more files)
|-- test_astype.py
|-- test_factorize.py
|-- test_fillna.py
|-- test_insert.py
|-- ... (3 more files)
|-- test_arithmetic.py

```

```

|-- test_constructors.py
|-- test_delete.py
|-- test_formats.py
|-- ... (12 more files)
|-- indexing/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_at.cpython-312.pyc
|-- test_categorical.cpython-312.pyc
|-- ... (13 more files)
|-- common.py
|-- conftest.py
|-- interval/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_interval.cpython-312.pyc
|-- test_interval_new.cpython-312.pyc
|-- test_interval.py
|-- test_interval_new.py
|-- multiindex/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_chaining_and_caching.cpython-312.pyc
|-- test_datetime.cpython-312.pyc
|-- test_getitem.cpython-312.pyc
|-- test_iloc.cpython-312.pyc
|-- ... (7 more files)
|-- test_chaining_and_caching.py
|-- test_datetime.py
|-- test_getitem.py
|-- test_iloc.py
|-- ... (8 more files)
|-- test_at.py
|-- test_categorical.py
|-- ... (16 more files)
|-- interchange/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_impl.cpython-312.pyc
|-- test_spec_conformance.cpython-312.pyc
|-- test_utils.cpython-312.pyc
|-- test_impl.py
|-- test_spec_conformance.py
|-- test_utils.py
|-- internals/
|-- __init__.py
|-- __pycache__/

```

```
|-- __init__.cpython-312.pyc
|-- test_api.cpython-312.pyc
|-- test_internals.cpython-312.pyc
|-- test_managers.cpython-312.pyc
|-- test_api.py
|-- test_internals.py
|-- test_managers.py
|-- io/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- generate_legacy_storage_files.cpython-312.pyc
|-- test_clipboard.cpython-312.pyc
|-- test_common.cpython-312.pyc
|-- ... (14 more files)
|-- conftest.py
|-- excel/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_odf.cpython-312.pyc
|-- test_odswriter.cpython-312.pyc
|-- test_openpyxl.cpython-312.pyc
|-- test_readers.cpython-312.pyc
|-- ... (4 more files)
|-- test_odf.py
|-- test_odswriter.py
|-- test_openpyxl.py
|-- test_readers.py
|-- ... (5 more files)
|-- formats/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_console.cpython-312.pyc
|-- test_css.cpython-312.pyc
|-- test_eng_formatting.cpython-312.pyc
|-- test_format.cpython-312.pyc
|-- ... (8 more files)
|-- style/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_bar.cpython-312.pyc
|-- test_exceptions.cpython-312.pyc
|-- test_format.cpython-312.pyc
|-- test_highlight.cpython-312.pyc
|-- ... (7 more files)
|-- test_bar.py
|-- test_exceptions.py
|-- test_format.py
|-- test_highlight.py
```

```

        |-- ... (8 more files)
    |-- test_console.py
    |-- test_css.py
    |-- test_eng_formatting.py
    |-- test_format.py
    |-- ... (10 more files)
|-- generate_legacy_storage_files.py
|-- json/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- conftest.cpython-312.pyc
        |-- test_compression.cpython-312.pyc
        |-- test_deprecated_kwargs.cpython-312.pyc
        |-- test_json_table_schema.cpython-312.pyc
        |-- ... (5 more files)
    |-- conftest.py
    |-- test_compression.py
    |-- test_deprecated_kwargs.py
    |-- test_json_table_schema.py
    |-- ... (6 more files)
|-- parser/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- conftest.cpython-312.pyc
        |-- test_c_parser_only.cpython-312.pyc
        |-- test_comment.cpython-312.pyc
        |-- test_compression.cpython-312.pyc
        |-- ... (18 more files)
|-- common/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_chunksize.cpython-312.pyc
        |-- test_common_basic.cpython-312.pyc
        |-- test_data_list.cpython-312.pyc
        |-- test_decimal.cpython-312.pyc
        |-- ... (8 more files)
    |-- test_chunksize.py
    |-- test_common_basic.py
    |-- test_data_list.py
    |-- test_decimal.py
    |-- ... (9 more files)
|-- conftest.py
|-- dtypes/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_categorical.cpython-312.pyc
        |-- test_dtypes_basic.cpython-312.pyc
        |-- test_empty.cpython-312.pyc
    |-- test_categorical.py

```

```

|-- test_dtypes_basic.py
|-- test_empty.py
|-- test_c_parser_only.py
|-- test_comment.py
|-- test_compression.py
|-- ... (22 more files)
|-- usecols/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_parse_dates.cpython-312.pyc
|-- test_strings.cpython-312.pyc
|-- test_usecols_basic.cpython-312.pyc
|-- test_parse_dates.py
|-- test_strings.py
|-- test_usecols_basic.py
|-- pytables/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_append.cpython-312.pyc
|-- test_categorical.cpython-312.pyc
|-- ... (15 more files)
|-- common.py
|-- conftest.py
|-- test_append.py
|-- test_categorical.py
|-- ... (16 more files)
|-- sas/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_byteswap.cpython-312.pyc
|-- test_sas.cpython-312.pyc
|-- test_sas7bdat.cpython-312.pyc
|-- test_xport.cpython-312.pyc
|-- test_byteswap.py
|-- test_sas.py
|-- test_sas7bdat.py
|-- test_xport.py
|-- test_clipboard.py
|-- test_common.py
|-- ... (22 more files)
|-- xml/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_to_xml.cpython-312.pyc
|-- test_xml.cpython-312.pyc
|-- test_xml_dtypes.cpython-312.pyc

```

```

|-- conftest.py
|-- test_to_xml.py
|-- test_xml.py
|-- test_xml_dtypes.py
|-- libs/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_hashtable.cpython-312.pyc
|-- test_join.cpython-312.pyc
|-- test_lib.cpython-312.pyc
|-- test_libalgos.cpython-312.pyc
|-- test_hashtable.py
|-- test_join.py
|-- test_lib.py
|-- test_libalgos.py
|-- plotting/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_backend.cpython-312.pyc
|-- test_boxplot_method.cpython-312.pyc
|-- ... (8 more files)
|-- common.py
|-- conftest.py
|-- frame/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_frame.cpython-312.pyc
|-- test_frame_color.cpython-312.pyc
|-- test_frame_groupby.cpython-312.pyc
|-- test_frame_legend.cpython-312.pyc
|-- ... (2 more files)
|-- test_frame.py
|-- test_frame_color.py
|-- test_frame_groupby.py
|-- test_frame_legend.py
|-- ... (3 more files)
|-- test_backend.py
|-- test_boxplot_method.py
|-- ... (10 more files)
|-- reductions/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_reductions.cpython-312.pyc
|-- test_stat_reductions.cpython-312.pyc
|-- test_reductions.py
|-- test_stat_reductions.py
|-- resample/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- conftest.cpython-312.pyc
|   |-- test_base.cpython-312.pyc
|   |-- test_datetime_index.cpython-312.pyc
|   |-- test_period_index.cpython-312.pyc
|   |-- ... (4 more files)
|-- conftest.py
|-- test_base.py
|-- test_datetime_index.py
|-- test_period_index.py
|-- ... (5 more files)
|-- reshape/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_crosstab.cpython-312.pyc
|       |-- test_cut.cpython-312.pyc
|       |-- test_from_dummies.cpython-312.pyc
|       |-- test_get_dummies.cpython-312.pyc
|       |-- ... (6 more files)
|-- concat/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- conftest.cpython-312.pyc
|       |-- test_append.cpython-312.pyc
|       |-- test_append_common.cpython-312.pyc
|       |-- test_categorical.cpython-312.pyc
|       |-- ... (8 more files)
|   |-- conftest.py
|   |-- test_append.py
|   |-- test_append_common.py
|   |-- test_categorical.py
|   |-- ... (9 more files)
|-- merge/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_join.cpython-312.pyc
|       |-- test_merge.cpython-312.pyc
|       |-- test_merge_asof.cpython-312.pyc
|       |-- test_merge_cross.cpython-312.pyc
|       |-- ... (3 more files)
|   |-- test_join.py
|   |-- test_merge.py
|   |-- test_merge_asof.py
|   |-- test_merge_cross.py
|   |-- ... (4 more files)
|-- test_crosstab.py
|-- test_cut.py
|-- test_from_dummies.py

```



```

|-- test_get_dummies.py
|-- ... (9 more files)
|-- scalar/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_na_scalar.cpython-312.pyc
|-- test_nat.cpython-312.pyc
|-- interval/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_arithmetic.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_contains.cpython-312.pyc
|-- test_formats.cpython-312.pyc
|-- ... (2 more files)
|-- test_arithmetic.py
|-- test_constructors.py
|-- test_contains.py
|-- test_formats.py
|-- ... (3 more files)
|-- period/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_arithmetic.cpython-312.pyc
|-- test_asfreq.cpython-312.pyc
|-- test_period.cpython-312.pyc
|-- test_arithmetic.py
|-- test_asfreq.py
|-- test_period.py
|-- test_na_scalar.py
|-- test_nat.py
|-- timedelta/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_arithmetic.cpython-312.pyc
|-- test_constructors.cpython-312.pyc
|-- test_formats.cpython-312.pyc
|-- test_timedelta.cpython-312.pyc
|-- methods/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_as_unit.cpython-312.pyc
|-- test_round.cpython-312.pyc
|-- test_as_unit.py
|-- test_round.py
|-- test_arithmetic.py
|-- test_constructors.py
|-- test_formats.py

```

```

|-- test_timedelta.py
|-- timestamp/
|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- test_arithmetic.cpython-312.pyc
|   |-- test_comparisons.cpython-312.pyc
|   |-- test_constructors.cpython-312.pyc
|   |-- test_formats.cpython-312.pyc
|   |-- ... (2 more files)
|-- methods/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_as_unit.cpython-312.pyc
|       |-- test_normalize.cpython-312.pyc
|       |-- test_replace.cpython-312.pyc
|       |-- test_round.cpython-312.pyc
|       |-- ... (5 more files)
|   |-- test_as_unit.py
|   |-- test_normalize.py
|   |-- test_replace.py
|   |-- test_round.py
|   |-- ... (6 more files)
|-- test_arithmetic.py
|-- test_comparisons.py
|-- test_constructors.py
|-- test_formats.py
|-- ... (4 more files)
|-- series/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_api.cpython-312.pyc
|       |-- test_arithmetic.cpython-312.pyc
|       |-- test_constructors.cpython-312.pyc
|       |-- test_cumulative.cpython-312.pyc
|       |-- ... (10 more files)
|-- accessors/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_cat_accessor.cpython-312.pyc
|       |-- test_dt_accessor.cpython-312.pyc
|       |-- test_list_accessor.cpython-312.pyc
|       |-- test_sparse_accessor.cpython-312.pyc
|       |-- ... (2 more files)
|   |-- test_cat_accessor.py
|   |-- test_dt_accessor.py
|   |-- test_list_accessor.py
|   |-- test_sparse_accessor.py
|   |-- ... (3 more files)
|-- indexing/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- test_datetime.cpython-312.pyc
|   |-- test_delitem.cpython-312.pyc
|   |-- test_get.cpython-312.pyc
|   |-- test_getitem.cpython-312.pyc
|   |-- ... (7 more files)
|-- test_datetime.py
|-- test_delitem.py
|-- test_get.py
|-- test_getitem.py
|-- ... (8 more files)
|-- methods/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_add_prefix_suffix.cpython-312.pyc
|       |-- test_align.cpython-312.pyc
|       |-- test_argsort.cpython-312.pyc
|       |-- test_asof.cpython-312.pyc
|       |-- ... (66 more files)
|   |-- test_add_prefix_suffix.py
|   |-- test_align.py
|   |-- test_argsort.py
|   |-- test_asof.py
|   |-- ... (67 more files)
|-- test_api.py
|-- test_arithmetic.py
|-- test_constructors.py
|-- test_cumulative.py
|-- ... (14 more files)
|-- strings/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- conftest.cpython-312.pyc
|       |-- test_api.cpython-312.pyc
|       |-- test_case_justify.cpython-312.pyc
|       |-- test_cat.cpython-312.pyc
|       |-- ... (6 more files)
|   |-- conftest.py
|   |-- test_api.py
|   |-- test_case_justify.py
|   |-- test_cat.py
|   |-- ... (7 more files)
|-- test_aggregation.py
|-- test_algos.py
|-- test_common.py
|-- test_downstream.py
|-- ... (42 more files)
|-- tools/
|   |-- __init__.py

```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- test_to_datetime.cpython-312.pyc
|   |-- test_to_numeric.cpython-312.pyc
|   |-- test_to_time.cpython-312.pyc
|   |-- test_to_timedelta.cpython-312.pyc
|-- test_to_datetime.py
|-- test_to_numeric.py
|-- test_to_time.py
|-- test_to_timedelta.py
|-- tseries/
|   |-- __init__.py
|   |-- __pycache__/
|   |   |-- __init__.cpython-312.pyc
|-- frequencies/
|   |-- __init__.py
|   |-- __pycache__/
|   |   |-- __init__.cpython-312.pyc
|   |   |-- test_freq_code.cpython-312.pyc
|   |   |-- test_frequencies.cpython-312.pyc
|   |   |-- test_inference.cpython-312.pyc
|   |-- test_freq_code.py
|   |-- test_frequencies.py
|   |-- test_inference.py
|-- holiday/
|   |-- __init__.py
|   |-- __pycache__/
|   |   |-- __init__.cpython-312.pyc
|   |   |-- test_calendar.cpython-312.pyc
|   |   |-- test_federal.cpython-312.pyc
|   |   |-- test_holiday.cpython-312.pyc
|   |   |-- test_observance.cpython-312.pyc
|   |-- test_calendar.py
|   |-- test_federal.py
|   |-- test_holiday.py
|   |-- test_observance.py
|-- offsets/
|   |-- __init__.py
|   |-- __pycache__/
|   |   |-- __init__.cpython-312.pyc
|   |   |-- common.cpython-312.pyc
|   |   |-- test_business_day.cpython-312.pyc
|   |   |-- test_business_hour.cpython-312.pyc
|   |   |-- test_business_month.cpython-312.pyc
|   |   |-- ... (17 more files)
|   |-- common.py
|   |-- test_business_day.py
|   |-- test_business_hour.py
|   |-- test_business_month.py
|   |-- ... (18 more files)
|-- tslibs/
|   |-- __init__.py
|   |-- __pycache__/

```

```

|-- __init__.cpython-312.pyc
|-- test_api.cpython-312.pyc
|-- test_array_to_datetime.cpython-312.pyc
|-- test_ccalendar.cpython-312.pyc
|-- test_conversion.cpython-312.pyc
|-- ... (14 more files)
|-- test_api.py
|-- test_array_to_datetime.py
|-- test_ccalendar.py
|-- test_conversion.py
|-- ... (15 more files)
|-- util/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_assert_almost_equal.cpython-312.pyc
|-- test_assert_attr_equal.cpython-312.pyc
|-- test_assert_categorical_equal.cpython-312.pyc
|-- ... (21 more files)
|-- conftest.py
|-- test_assert_almost_equal.py
|-- test_assert_attr_equal.py
|-- test_assert_categorical_equal.py
|-- ... (22 more files)
|-- window/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_api.cpython-312.pyc
|-- test_apply.cpython-312.pyc
|-- test_base_indexer.cpython-312.pyc
|-- ... (14 more files)
|-- conftest.py
|-- moments/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_moments_consistency_ewm.cpython-312.pyc
|-- test_moments_consistency_expanding.cpython-312.pyc
|-- test_moments_consistency_rolling.cpython-312.pyc
|-- conftest.py
|-- test_moments_consistency_ewm.py
|-- test_moments_consistency_expanding.py
|-- test_moments_consistency_rolling.py
|-- test_api.py
|-- test_apply.py
|-- test_base_indexer.py
|-- ... (16 more files)
|-- tseries/
|-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- frequencies.cpython-312.pyc
|-- holiday.cpython-312.pyc
|-- offsets.cpython-312.pyc
|-- api.py
|-- frequencies.py
|-- holiday.py
|-- offsets.py
|-- util/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _decorators.cpython-312.pyc
|-- _doctools.cpython-312.pyc
|-- _exceptions.cpython-312.pyc
|-- _print_versions.cpython-312.pyc
|-- ... (3 more files)
|-- _decorators.py
|-- _doctools.py
|-- _exceptions.py
|-- _print_versions.py
|-- ... (5 more files)
|-- version/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- pandas-2.3.0.dist-info/
|-- DELVEWHEEL
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- ... (2 more files)
|-- pandas.libs/
|-- msvcpl40-1a0962f2a91a74c6d7136a768987a591.dll
|-- pillow-11.2.1.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD
|-- WHEEL
|-- licenses/
|-- LICENSE
|-- top_level.txt
|-- ... (2 more files)
|-- pillow_heif/
|-- AvifImagePlugin.py
|-- HeifImagePlugin.py
|-- __init__.py
|-- __pycache__/
|-- AvifImagePlugin.cpython-312.pyc
|-- HeifImagePlugin.cpython-312.pyc

```

```

|-- __init__.cpython-312.pyc
|-- _deferred_error.cpython-312.pyc
|-- _lib_info.cpython-312.pyc
|-- ... (6 more files)
|-- _deferred_error.py
|-- _lib_info.py
|-- ... (7 more files)
|-- pillow_heif-0.22.0.dist-info/
|-- DELVEWHEEL
|-- INSTALLER
|-- LICENSE.txt
|-- LICENSES_bundled.txt
|-- METADATA
|-- ... (4 more files)
|-- pip/
|-- __init__.py
|-- __main__.py
|-- __pip-runner__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- __pip-runner__.cpython-312.pyc
|-- _internal/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- build_env.cpython-312.pyc
|-- cache.cpython-312.pyc
|-- configuration.cpython-312.pyc
|-- exceptions.cpython-312.pyc
|-- ... (4 more files)
|-- build_env.py
|-- cache.py
|-- cli/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- autocompletion.cpython-312.pyc
|-- base_command.cpython-312.pyc
|-- cmdoptions.cpython-312.pyc
|-- command_context.cpython-312.pyc
|-- ... (7 more files)
|-- autocompletion.py
|-- base_command.py
|-- cmdoptions.py
|-- command_context.py
|-- ... (8 more files)
|-- commands/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- cache.cpython-312.pyc
|-- check.cpython-312.pyc

```

```
|-- completion.cpython-312.pyc
|-- configuration.cpython-312.pyc
|-- ... (13 more files)
|-- cache.py
|-- check.py
|-- completion.py
|-- configuration.py
|-- ... (14 more files)
|-- configuration.py
|-- distributions/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     base.cpython-312.pyc
|--     installed.cpython-312.pyc
|--     sdist.cpython-312.pyc
|--     wheel.cpython-312.pyc
|--   base.py
|--   installed.py
|--   sdist.py
|--   wheel.py
|-- exceptions.py
|-- index/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     collector.cpython-312.pyc
|--     package_finder.cpython-312.pyc
|--     sources.cpython-312.pyc
|--   collector.py
|--   package_finder.py
|--   sources.py
|-- locations/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _distutils.cpython-312.pyc
|--     _sysconfig.cpython-312.pyc
|--     base.cpython-312.pyc
|--   _distutils.py
|--   _sysconfig.py
|--   base.py
|-- ... (18 more files)
|-- metadata/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _json.cpython-312.pyc
|--     base.cpython-312.pyc
|--     pkg_resources.cpython-312.pyc
|--   _json.py
|--   base.py
|--   importlib/
```



```
|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _compat.cpython-312.pyc
|   |-- _dists.cpython-312.pyc
|   |-- _envs.cpython-312.pyc
|-- _compat.py
|-- _dists.py
|-- _envs.py
|-- pkg_resources.py
|-- models/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- candidate.cpython-312.pyc
|       |-- direct_url.cpython-312.pyc
|       |-- format_control.cpython-312.pyc
|       |-- index.cpython-312.pyc
|       |-- ... (7 more files)
|   |-- candidate.py
|   |-- direct_url.py
|   |-- format_control.py
|   |-- index.py
|   |-- ... (8 more files)
|-- network/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- auth.cpython-312.pyc
|       |-- cache.cpython-312.pyc
|       |-- download.cpython-312.pyc
|       |-- lazy_wheel.cpython-312.pyc
|       |-- ... (3 more files)
|   |-- auth.py
|   |-- cache.py
|   |-- download.py
|   |-- lazy_wheel.py
|   |-- ... (4 more files)
|-- operations/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- check.cpython-312.pyc
|       |-- freeze.cpython-312.pyc
|       |-- prepare.cpython-312.pyc
|-- build/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- build_tracker.cpython-312.pyc
|       |-- metadata.cpython-312.pyc
|       |-- metadata_editable.cpython-312.pyc
|       |-- metadata_legacy.cpython-312.pyc
```

```

        |-- ... (3 more files)
    |-- build_tracker.py
    |-- metadata.py
    |-- metadata_editable.py
    |-- metadata_legacy.py
    |-- ... (4 more files)
|-- check.py
|-- freeze.py
|-- install/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- editable_legacy.cpython-312.pyc
        |-- wheel.cpython-312.pyc
    |-- editable_legacy.py
    |-- wheel.py
|-- prepare.py
|-- req/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- constructors.cpython-312.pyc
        |-- req_file.cpython-312.pyc
        |-- req_install.cpython-312.pyc
        |-- req_set.cpython-312.pyc
        |-- ... (1 more files)
    |-- constructors.py
    |-- req_file.py
    |-- req_install.py
    |-- req_set.py
    |-- ... (2 more files)
|-- resolution/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- base.cpython-312.pyc
    |-- base.py
    |-- legacy/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- resolver.cpython-312.pyc
        |-- resolver.py
    |-- resolvelib/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- base.cpython-312.pyc
            |-- candidates.cpython-312.pyc
            |-- factory.cpython-312.pyc
            |-- found_candidates.cpython-312.pyc
            |-- ... (4 more files)
        |-- base.py

```

```

        |-- candidates.py
        |-- factory.py
        |-- found_candidates.py
        |-- ... (5 more files)
|-- utils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _jaraco_text.cpython-312.pyc
        |-- _log.cpython-312.pyc
        |-- appdirs.cpython-312.pyc
        |-- compat.cpython-312.pyc
        |-- ... (23 more files)
    |-- _jaraco_text.py
    |-- _log.py
    |-- appdirs.py
    |-- compat.py
    |-- ... (24 more files)
|-- vcs/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- bazaar.cpython-312.pyc
        |-- git.cpython-312.pyc
        |-- mercurial.cpython-312.pyc
        |-- subversion.cpython-312.pyc
        |-- ... (1 more files)
    |-- bazaar.py
    |-- git.py
    |-- mercurial.py
    |-- subversion.py
    |-- ... (2 more files)
|-- _vendor/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- six.cpython-312.pyc
        |-- typing_extensions.cpython-312.pyc
    |-- cachecontrol/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- _cmd.cpython-312.pyc
            |-- adapter.cpython-312.pyc
            |-- cache.cpython-312.pyc
            |-- compat.cpython-312.pyc
            |-- ... (5 more files)
        |-- _cmd.py
        |-- adapter.py
        |-- cache.py
    |-- caches/
        |-- __init__.py
        |-- __pycache__/

```

```

        |-- __init__.cpython-312.pyc
        |-- file_cache.cpython-312.pyc
        |-- redis_cache.cpython-312.pyc
        |-- file_cache.py
        |-- redis_cache.py
    |-- compat.py
    |-- ... (7 more files)
|-- certifi/
    |-- __init__.py
    |-- __main__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- __main__.cpython-312.pyc
        |-- core.cpython-312.pyc
    |-- cacert.pem
    |-- core.py
|-- chardet/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- big5freq.cpython-312.pyc
        |-- big5prober.cpython-312.pyc
        |-- chardistribution.cpython-312.pyc
        |-- charsetgroupprober.cpython-312.pyc
        |-- ... (39 more files)
    |-- big5freq.py
    |-- big5prober.py
    |-- chardistribution.py
    |-- charsetgroupprober.py
    |-- ... (42 more files)
|-- cli/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- chardetect.cpython-312.pyc
    |-- chardetect.py
|-- metadata/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- languages.cpython-312.pyc
    |-- languages.py
|-- colorama/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- ansi.cpython-312.pyc
        |-- ansitowin32.cpython-312.pyc
        |-- initialise.cpython-312.pyc
        |-- win32.cpython-312.pyc
        |-- ... (1 more files)
    |-- ansi.py
    |-- ansitowin32.py

```

```

|-- initialise.py
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- ansi_test.cpython-312.pyc
|       |-- ansitowin32_test.cpython-312.pyc
|       |-- initialise_test.cpython-312.pyc
|       |-- isatty_test.cpython-312.pyc
|       |-- ... (2 more files)
|   |-- ansi_test.py
|   |-- ansitowin32_test.py
|   |-- initialise_test.py
|   |-- isatty_test.py
|   |-- ... (3 more files)
|-- win32.py
|-- ... (3 more files)
|-- distlib/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- compat.cpython-312.pyc
|       |-- database.cpython-312.pyc
|       |-- index.cpython-312.pyc
|       |-- locators.cpython-312.pyc
|       |-- ... (8 more files)
|   |-- compat.py
|   |-- database.py
|   |-- index.py
|   |-- locators.py
|   |-- ... (15 more files)
|-- distro/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- distro.cpython-312.pyc
|   |-- distro.py
|-- idna/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- codec.cpython-312.pyc
|       |-- compat.cpython-312.pyc
|       |-- core.cpython-312.pyc
|       |-- idnadata.cpython-312.pyc
|       |-- ... (3 more files)
|   |-- codec.py
|   |-- compat.py
|   |-- core.py
|   |-- idnadata.py
|   |-- ... (4 more files)

```

```
|-- msgpack/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- exceptions.cpython-312.pyc
        |-- ext.cpython-312.pyc
        |-- fallback.cpython-312.pyc
    |-- exceptions.py
    |-- ext.py
    |-- fallback.py
|-- packaging/
    |-- __about__.py
    |-- __init__.py
    |-- __pycache__/
        |-- __about__.cpython-312.pyc
        |-- __init__.cpython-312.pyc
        |-- _manylinux.cpython-312.pyc
        |-- _musllinux.cpython-312.pyc
        |-- _structures.cpython-312.pyc
        |-- ... (6 more files)
    |-- _manylinux.py
    |-- _musllinux.py
    |-- _structures.py
    |-- ... (7 more files)
|-- pkg_resources/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- platformdirs/
    |-- __init__.py
    |-- __main__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- __main__.cpython-312.pyc
        |-- android.cpython-312.pyc
        |-- api.cpython-312.pyc
        |-- macos.cpython-312.pyc
        |-- ... (3 more files)
    |-- android.py
    |-- api.py
    |-- macos.py
    |-- ... (4 more files)
|-- pygments/
    |-- __init__.py
    |-- __main__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- __main__.cpython-312.pyc
        |-- cmdline.cpython-312.pyc
        |-- console.cpython-312.pyc
        |-- filter.cpython-312.pyc
        |-- ... (11 more files)
    |-- cmdline.py
```

```
|-- console.py
|-- filter.py
|-- filters/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- ... (16 more files)
|-- formatters/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _mapping.cpython-312.pyc
|       |-- bbcode.cpython-312.pyc
|       |-- groff.cpython-312.pyc
|       |-- html.cpython-312.pyc
|       |-- ... (9 more files)
|   |-- _mapping.py
|   |-- bbcode.py
|   |-- groff.py
|   |-- html.py
|   |-- ... (10 more files)
|-- lexers/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _mapping.cpython-312.pyc
|       |-- python.cpython-312.pyc
|   |-- _mapping.py
|   |-- python.py
|-- styles/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- pyparsing/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- actions.cpython-312.pyc
|       |-- common.cpython-312.pyc
|       |-- core.cpython-312.pyc
|       |-- exceptions.cpython-312.pyc
|       |-- ... (5 more files)
|-- actions.py
|-- common.py
|-- core.py
|-- diagram/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- exceptions.py
|-- ... (7 more files)
|-- pyproject_hooks/
|   |-- __init__.py
```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _compat.cpython-312.pyc
|   |-- _impl.cpython-312.pyc
|-- _compat.py
|-- _impl.py
|-- _in_process/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _in_process.cpython-312.pyc
|   |-- _in_process.py
|-- requests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __version__.cpython-312.pyc
|       |-- _internal_utils.cpython-312.pyc
|       |-- adapters.cpython-312.pyc
|       |-- api.cpython-312.pyc
|       |-- ... (13 more files)
|-- __version__.py
|-- _internal_utils.py
|-- adapters.py
|-- api.py
|-- ... (14 more files)
|-- resolvelib/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- providers.cpython-312.pyc
|       |-- reporters.cpython-312.pyc
|       |-- resolvers.cpython-312.pyc
|       |-- structs.cpython-312.pyc
|-- compat/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- collections_abc.cpython-312.pyc
|   |-- collections_abc.py
|-- providers.py
|-- reporters.py
|-- resolvers.py
|-- structs.py
|-- rich/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- _cell_widths.cpython-312.pyc
|       |-- _emoji_codes.cpython-312.pyc
|       |-- _emoji_replace.cpython-312.pyc

```



```

        |-- ... (72 more files)
|-- _cell_widths.py
|-- _emoji_codes.py
|-- _emoji_replace.py
|-- ... (73 more files)
|-- six.py
|-- tenacity/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _asyncio.cpython-312.pyc
|--     _utils.cpython-312.pyc
|--     after.cpython-312.pyc
|--     before.cpython-312.pyc
|--     ... (6 more files)
|--   _asyncio.py
|--   _utils.py
|--   after.py
|--   before.py
|--   ... (7 more files)
|-- tomli/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _parser.cpython-312.pyc
|--     _re.cpython-312.pyc
|--     _types.cpython-312.pyc
|--   _parser.py
|--   _re.py
|--   _types.py
|-- typing_extensions.py
|-- urllib3/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _collections.cpython-312.pyc
|--     _version.cpython-312.pyc
|--     connection.cpython-312.pyc
|--     connectionpool.cpython-312.pyc
|--     ... (6 more files)
|--   _collections.py
|--   _version.py
|--   connection.py
|--   connectionpool.py
|--   contrib/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       _appengine_environ.cpython-312.pyc
|--       appengine.cpython-312.pyc
|--       ntlmpool.cpython-312.pyc
|--       pyopenssl.cpython-312.pyc
|--       ... (2 more files)

```

```

|-- _appengine_environ.py
|-- _securetransport/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- bindings.cpython-312.pyc
|       |-- low_level.cpython-312.pyc
|   |-- bindings.py
|   |-- low_level.py
|-- appengine.py
|-- ntlmpool.py
|-- pyopenssl.py
|-- ... (4 more files)
|-- ... (10 more files)
|-- packages/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- six.cpython-312.pyc
|-- backports/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- makefile.cpython-312.pyc
|       |-- weakref_finalize.cpython-312.pyc
|   |-- makefile.py
|   |-- weakref_finalize.py
|-- six.py
|-- util/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- connection.cpython-312.pyc
|       |-- proxy.cpython-312.pyc
|       |-- queue.cpython-312.pyc
|       |-- request.cpython-312.pyc
|       |-- ... (8 more files)
|   |-- connection.py
|   |-- proxy.py
|   |-- queue.py
|   |-- request.py
|   |-- ... (9 more files)
|-- vendor.txt
|-- webencodings/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- labels.cpython-312.pyc
|       |-- mklabels.cpython-312.pyc
|       |-- tests.cpython-312.pyc
|       |-- x_user_defined.cpython-312.pyc
|-- labels.py
|-- mklabels.py

```

```

        |-- tests.py
        |-- x_user_defined.py
    |-- py.typed
|-- pip-23.2.1.dist-info/
    |-- AUTHORS.txt
    |-- INSTALLER
    |-- LICENSE.txt
    |-- METADATA
    |-- RECORD
    |-- ... (4 more files)
|-- pkg_resources/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- api_tests.txt
    |-- py.typed
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_find_distributions.cpython-312.pyc
            |-- test_integration_zope_interface.cpython-312.pyc
            |-- test_markers.cpython-312.pyc
            |-- test_pkg_resources.cpython-312.pyc
            |-- ... (2 more files)
    |-- data/
        |-- my-test-package-source/
            |-- __pycache__/
                |-- setup.cpython-312.pyc
            |-- setup.cfg
            |-- setup.py
        |-- my-test-package-zip/
            |-- my-test-package.zip
        |-- my-test-package_unpacked-egg/
            |-- my_test_package-1.0-py3.7.egg/
                |-- EGG-INFO/
                    |-- PKG-INFO
                    |-- SOURCES.txt
                    |-- dependency_links.txt
                    |-- top_level.txt
                    |-- zip-safe
            |-- my-test-package_zipped-egg/
                |-- my_test_package-1.0-py3.7.egg
        |-- test_find_distributions.py
        |-- test_integration_zope_interface.py
        |-- test_markers.py
        |-- test_pkg_resources.py
        |-- ... (4 more files)
|-- psutil/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _common.cpython-312.pyc

```

```

|-- _psaix.cpython-312.pyc
|-- _psbsd.cpython-312.pyc
|-- _pslinux.cpython-312.pyc
|-- ... (4 more files)
|-- _common.py
|-- _psaix.py
|-- _psbsd.py
|-- _pslinux.py
|-- ... (7 more files)
|-- tests/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- test_aix.cpython-312.pyc
|-- test_bsd.cpython-312.pyc
|-- test_connections.cpython-312.pyc
|-- ... (14 more files)
|-- test_aix.py
|-- test_bsd.py
|-- test_connections.py
|-- ... (15 more files)
|-- psutil-7.0.0.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- ... (1 more files)
|-- py_cpuinfo-9.0.0.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- ... (2 more files)
|-- pyparsing/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- actions.cpython-312.pyc
|-- common.cpython-312.pyc
|-- core.cpython-312.pyc
|-- exceptions.cpython-312.pyc
|-- ... (5 more files)
|-- actions.py
|-- common.py
|-- core.py
|-- diagram/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```

```

|-- exceptions.py
|-- ... (9 more files)
|-- tools/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- cvt_pyparsing_pep8_names.cpython-312.pyc
    |-- cvt_pyparsing_pep8_names.py
|-- pyparsing-3.2.3.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- WHEEL
|-- python_dateutil-2.9.0.post0.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- ... (2 more files)
|-- python_dotenv-1.1.0.dist-info/
    |-- INSTALLER
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- entry_points.txt
    |-- licenses/
        |-- LICENSE
    |-- ... (2 more files)
|-- pytz/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- exceptions.cpython-312.pyc
        |-- lazy.cpython-312.pyc
        |-- reference.cpython-312.pyc
        |-- tzfile.cpython-312.pyc
        |-- ... (1 more files)
    |-- exceptions.py
    |-- lazy.py
    |-- reference.py
    |-- tzfile.py
    |-- ... (3 more files)
    |-- zoneinfo/
        |-- Africa/
            |-- Abidjan
            |-- Accra
            |-- Addis_Ababa
            |-- Algiers
            |-- Asmara
            |-- ... (49 more files)
        |-- America/

```

```
|-- Adak
|-- Anchorage
|-- Anguilla
|-- Antigua
|-- Araguaina
|-- Argentina/
|   |-- Buenos_Aires
|   |-- Catamarca
|   |-- ComodRivadavia
|   |-- Cordoba
|   |-- Jujuy
|   |-- ... (8 more files)
|-- ... (142 more files)
|-- Indiana/
|   |-- Indianapolis
|   |-- Knox
|   |-- Marengo
|   |-- Petersburg
|   |-- Tell_City
|   |-- ... (3 more files)
|-- Kentucky/
|   |-- Louisville
|   |-- Monticello
|-- North_Dakota/
|   |-- Beulah
|   |-- Center
|   |-- New_Salem
|-- Antarctica/
|   |-- Casey
|   |-- Davis
|   |-- DumontDUrville
|   |-- Macquarie
|   |-- Mawson
|   |-- ... (7 more files)
|-- Arctic/
|   |-- Longyearbyen
|-- Asia/
|   |-- Aden
|   |-- Almaty
|   |-- Amman
|   |-- Anadyr
|   |-- Aqtau
|   |-- ... (94 more files)
|-- Atlantic/
|   |-- Azores
|   |-- Bermuda
|   |-- Canary
|   |-- Cape_Verde
|   |-- Faeroe
|   |-- ... (7 more files)
|-- Australia/
|   |-- ACT
|   |-- Adelaide
```

```
|-- Brisbane
|-- Broken_Hill
|-- Canberra
|-- ... (18 more files)
|-- Brazil/
|-- Acre
|-- DeNoronha
|-- East
|-- West
|-- CET
|-- CST6CDT
|-- Canada/
|-- Atlantic
|-- Central
|-- Eastern
|-- Mountain
|-- Newfoundland
|-- ... (3 more files)
|-- Chile/
|-- Continental
|-- EasterIsland
|-- Cuba
|-- EET
|-- EST
|-- ... (62 more files)
|-- Etc/
|-- GMT
|-- GMT+0
|-- GMT+1
|-- GMT+10
|-- GMT+11
|-- ... (30 more files)
|-- Europe/
|-- Amsterdam
|-- Andorra
|-- Astrakhan
|-- Athens
|-- Belfast
|-- ... (59 more files)
|-- Indian/
|-- Antananarivo
|-- Chagos
|-- Christmas
|-- Cocos
|-- Comoro
|-- ... (6 more files)
|-- Mexico/
|-- BajaNorte
|-- BajaSur
|-- General
|-- Pacific/
|-- Apia
|-- Auckland
```

```
        |-- Bougainville
        |-- Chatham
        |-- Chuuk
        |-- ... (39 more files)
    |-- US/
        |-- Alaska
        |-- Aleutian
        |-- Arizona
        |-- Central
        |-- East-Indiana
        |-- ... (7 more files)
|-- pytz-2025.2.dist-info/
    |-- INSTALLER
    |-- LICENSE.txt
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- ... (2 more files)
|-- requests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- __version__.cpython-312.pyc
        |-- _internal_utils.cpython-312.pyc
        |-- adapters.cpython-312.pyc
        |-- api.cpython-312.pyc
        |-- ... (13 more files)
    |-- __version__.py
    |-- _internal_utils.py
    |-- adapters.py
    |-- api.py
    |-- ... (14 more files)
|-- requests-2.32.3.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- ... (1 more files)
|-- requests_toolbelt/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _compat.cpython-312.pyc
        |-- exceptions.cpython-312.pyc
        |-- sessions.cpython-312.pyc
        |-- streaming_iterator.cpython-312.pyc
    |-- _compat.py
    |-- adapters/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- appengine.cpython-312.pyc
```



```
        |-- fingerprint.cpython-312.pyc
        |-- host_header_ssl.cpython-312.pyc
        |-- socket_options.cpython-312.pyc
        |-- ... (3 more files)
    |-- appengine.py
    |-- fingerprint.py
    |-- host_header_ssl.py
    |-- socket_options.py
    |-- ... (4 more files)
|-- auth/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _digest_auth_compat.cpython-312.pyc
        |-- guess.cpython-312.pyc
        |-- handler.cpython-312.pyc
        |-- http_proxy_digest.cpython-312.pyc
    |-- _digest_auth_compat.py
    |-- guess.py
    |-- handler.py
    |-- http_proxy_digest.py
|-- cookies/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- forgetful.cpython-312.pyc
    |-- forgetful.py
|-- downloadutils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- stream.cpython-312.pyc
        |-- tee.cpython-312.pyc
    |-- stream.py
    |-- tee.py
|-- exceptions.py
|-- multipart/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- decoder.cpython-312.pyc
        |-- encoder.cpython-312.pyc
    |-- decoder.py
    |-- encoder.py
|-- sessions.py
|-- streaming_iterator.py
|-- threaded/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- pool.cpython-312.pyc
        |-- thread.cpython-312.pyc
    |-- pool.py
```

```

|-- thread.py
|-- utils/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- deprecated.cpython-312.pyc
|-- dump.cpython-312.pyc
|-- formdata.cpython-312.pyc
|-- user_agent.cpython-312.pyc
|-- deprecated.py
|-- dump.py
|-- formdata.py
|-- user_agent.py
|-- requests_toolbelt-1.0.0.dist-info/
|-- AUTHORS.rst
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- ... (2 more files)
|-- roboflow/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- config.cpython-312.pyc
|-- deployment.cpython-312.pyc
|-- roboflowpy.cpython-312.pyc
|-- adapters/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- deploymentapi.cpython-312.pyc
|-- rfapi.cpython-312.pyc
|-- deploymentapi.py
|-- rfapi.py
|-- config.py
|-- core/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- dataset.cpython-312.pyc
|-- model.cpython-312.pyc
|-- project.cpython-312.pyc
|-- version.cpython-312.pyc
|-- ... (1 more files)
|-- dataset.py
|-- model.py
|-- project.py
|-- version.py
|-- ... (2 more files)
|-- deployment.py
|-- models/
|-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- classification.cpython-312.pyc
|-- clip.cpython-312.pyc
|-- gaze.cpython-312.pyc
|-- inference.cpython-312.pyc
|-- ... (5 more files)
|-- classification.py
|-- clip.py
|-- gaze.py
|-- inference.py
|-- ... (6 more files)
|-- roboflowpy.py
|-- util/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- active_learning_utils.cpython-312.pyc
|-- annotations.cpython-312.pyc
|-- clip_compare_utils.cpython-312.pyc
|-- folderparser.cpython-312.pyc
|-- ... (6 more files)
|-- active_learning_utils.py
|-- annotations.py
|-- clip_compare_utils.py
|-- folderparser.py
|-- ... (7 more files)
|-- roboflow-1.1.65.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- REQUESTED
|-- ... (3 more files)
|-- scipy/
|-- __config__.py
|-- __init__.py
|-- __pycache__/
|-- __config__.cpython-312.pyc
|-- __init__.cpython-312.pyc
|-- _distributor_init.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- version.cpython-312.pyc
|-- _distributor_init.py
|-- _lib/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _array_api.cpython-312.pyc
|-- _array_api_no_0d.cpython-312.pyc
|-- _bunch.cpython-312.pyc
|-- _ccallback.cpython-312.pyc
|-- ... (14 more files)

```

```

|-- _array_api.py
|-- _array_api_no_0d.py
|-- _bunch.py
|-- _ccallback.py
|-- ... (32 more files)
|-- _uarray/
|   |-- LICENSE
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _backend.cpython-312.pyc
|   |-- _backend.py
|   |-- _uarray.cp312-win_amd64.dll.a
|   |-- _uarray.cp312-win_amd64.pyd
|-- array_api_compat/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _internal.cpython-312.pyc
|   |-- _internal.py
|   |-- common/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- _aliases.cpython-312.pyc
|           |-- _fft.cpython-312.pyc
|           |-- _helpers.cpython-312.pyc
|           |-- _linalg.cpython-312.pyc
|           |-- ... (1 more files)
|       |-- _aliases.py
|       |-- _fft.py
|       |-- _helpers.py
|       |-- _linalg.py
|       |-- ... (2 more files)
|-- cupy/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _aliases.cpython-312.pyc
|       |-- _info.cpython-312.pyc
|       |-- _typing.cpython-312.pyc
|       |-- fft.cpython-312.pyc
|       |-- ... (1 more files)
|   |-- _aliases.py
|   |-- _info.py
|   |-- _typing.py
|   |-- fft.py
|   |-- ... (2 more files)
|-- dask/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- array/

```

```

|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _aliases.cpython-312.pyc
|-- _info.cpython-312.pyc
|-- fft.cpython-312.pyc
|-- linalg.cpython-312.pyc
|-- _aliases.py
|-- _info.py
|-- fft.py
|-- linalg.py
|-- numpy/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _aliases.cpython-312.pyc
|-- _info.cpython-312.pyc
|-- _typing.cpython-312.pyc
|-- fft.cpython-312.pyc
|-- ... (1 more files)
|-- _aliases.py
|-- _info.py
|-- _typing.py
|-- fft.py
|-- ... (2 more files)
|-- torch/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _aliases.cpython-312.pyc
|-- _info.cpython-312.pyc
|-- fft.cpython-312.pyc
|-- linalg.cpython-312.pyc
|-- _aliases.py
|-- _info.py
|-- fft.py
|-- linalg.py
|-- array_api_extra/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _funcs.cpython-312.pyc
|-- _typing.cpython-312.pyc
|-- _funcs.py
|-- _typing.py
|-- cobyqa/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- framework.cpython-312.pyc
|-- main.cpython-312.pyc
|-- models.cpython-312.pyc
|-- problem.cpython-312.pyc

```

```

        |-- ... (1 more files)
|-- framework.py
|-- main.py
|-- models.py
|-- problem.py
|-- ... (4 more files)
|-- subsolvers/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- geometry.cpython-312.pyc
        |-- optim.cpython-312.pyc
    |-- geometry.py
    |-- optim.py
|-- utils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- exceptions.cpython-312.pyc
        |-- math.cpython-312.pyc
        |-- versions.cpython-312.pyc
    |-- exceptions.py
    |-- math.py
    |-- versions.py
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_gcutils.cpython-312.pyc
        |-- test_pep440.cpython-312.pyc
        |-- test_testutils.cpython-312.pyc
        |-- test_threadsafety.cpython-312.pyc
        |-- ... (12 more files)
    |-- test_gcutils.py
    |-- test_pep440.py
    |-- test_testutils.py
    |-- test_threadsafety.py
    |-- ... (13 more files)
|-- cluster/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- hierarchy.cpython-312.pyc
        |-- vq.cpython-312.pyc
    |-- _hierarchy.cp312-win_amd64.dll.a
    |-- _hierarchy.cp312-win_amd64.pyd
    |-- _optimal_leaf_ordering.cp312-win_amd64.dll.a
    |-- _optimal_leaf_ordering.cp312-win_amd64.pyd
    |-- ... (6 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc

```

```

|-- hierarchy_test_data.cpython-312.pyc
|-- test_disjoint_set.cpython-312.pyc
|-- test_hierarchy.cpython-312.pyc
|-- test_vq.cpython-312.pyc
|-- hierarchy_test_data.py
|-- test_disjoint_set.py
|-- test_hierarchy.py
|-- test_vq.py
|-- conftest.py
|-- constants/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _codata.cpython-312.pyc
|-- _constants.cpython-312.pyc
|-- codata.cpython-312.pyc
|-- constants.cpython-312.pyc
|-- _codata.py
|-- _constants.py
|-- codata.py
|-- constants.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_codata.cpython-312.pyc
|-- test_constants.cpython-312.pyc
|-- test_codata.py
|-- test_constants.py
|-- datasets/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _download_all.cpython-312.pyc
|-- _fetchers.cpython-312.pyc
|-- _registry.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- _download_all.py
|-- _fetchers.py
|-- _registry.py
|-- _utils.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_data.cpython-312.pyc
|-- test_data.py
|-- differentiate/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _differentiate.cpython-312.pyc
|-- _differentiate.py

```

```

|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_differentiate.cpython-312.pyc
|   |-- test_differentiate.py
|-- fft/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _backend.cpython-312.pyc
|       |-- _basic.cpython-312.pyc
|       |-- _basic_backend.cpython-312.pyc
|       |-- _debug_backends.cpython-312.pyc
|       |-- ... (5 more files)
|-- _backend.py
|-- _basic.py
|-- _basic_backend.py
|-- _debug_backends.py
|-- ... (8 more files)
|-- _pocketfft/
|   |-- LICENSE.md
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- basic.cpython-312.pyc
|       |-- helper.cpython-312.pyc
|       |-- realtransforms.cpython-312.pyc
|-- basic.py
|-- helper.py
|-- pypocketfft.cp312-win_amd64.dll.a
|-- ... (4 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_basic.cpython-312.pyc
|       |-- test_real_transforms.cpython-312.pyc
|   |-- test_basic.py
|   |-- test_real_transforms.py
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- mock_backend.cpython-312.pyc
|       |-- test_backend.cpython-312.pyc
|       |-- test_basic.cpython-312.pyc
|       |-- test_fftlog.cpython-312.pyc
|       |-- ... (3 more files)
|-- mock_backend.py
|-- test_backend.py
|-- test_basic.py
|-- test_fftlog.py

```



```

        |-- ... (4 more files)
|-- fftpack/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _basic.cpython-312.pyc
        |-- _helper.cpython-312.pyc
        |-- _pseudo_diffs.cpython-312.pyc
        |-- _realtransforms.cpython-312.pyc
        |-- ... (4 more files)
    |-- _basic.py
    |-- _helper.py
    |-- _pseudo_diffs.py
    |-- _realtransforms.py
    |-- ... (8 more files)
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_basic.cpython-312.pyc
            |-- test_helper.cpython-312.pyc
            |-- test_import.cpython-312.pyc
            |-- test_pseudo_diffs.cpython-312.pyc
            |-- ... (1 more files)
        |-- fftw_double_ref.npz
        |-- fftw_longdouble_ref.npz
        |-- fftw_single_ref.npz
        |-- test.npz
        |-- ... (6 more files)
|-- integrate/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _bvp.cpython-312.pyc
        |-- _cubature.cpython-312.pyc
        |-- _lebedev.cpython-312.pyc
        |-- _ode.cpython-312.pyc
        |-- ... (10 more files)
    |-- _bvp.py
    |-- _cubature.py
    |-- _dop.cp312-win_amd64.dll.a
    |-- _dop.cp312-win_amd64.pyd
    |-- _ivp/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- base.cpython-312.pyc
            |-- bdf.cpython-312.pyc
            |-- common.cpython-312.pyc
            |-- dop853_coefficients.cpython-312.pyc
            |-- ... (4 more files)
        |-- base.py
        |-- bdf.py

```

```

|-- common.py
|-- dop853_coefficients.py
|-- ... (6 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_ivp.cpython-312.pyc
        |-- test_rk.cpython-312.pyc
    |-- test_ivp.py
    |-- test_rk.py
|-- ... (28 more files)
|-- _rules/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _base.cpython-312.pyc
        |-- _gauss_kronrod.cpython-312.pyc
        |-- _gauss_legendre.cpython-312.pyc
        |-- _genz_malik.cpython-312.pyc
    |-- _base.py
    |-- _gauss_kronrod.py
    |-- _gauss_legendre.py
    |-- _genz_malik.py
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test__quad_vec.cpython-312.pyc
        |-- test_banded_ode_solvers.cpython-312.pyc
        |-- test_bvp.cpython-312.pyc
        |-- test_cubature.cpython-312.pyc
        |-- ... (5 more files)
    |-- test__quad_vec.py
    |-- test_banded_ode_solvers.py
    |-- test_bvp.py
    |-- test_cubature.py
    |-- ... (6 more files)
|-- interpolate/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _bary_rational.cpython-312.pyc
        |-- _bsplines.cpython-312.pyc
        |-- _cubic.cpython-312.pyc
        |-- _fitpack2.cpython-312.pyc
        |-- ... (19 more files)
    |-- _bary_rational.py
    |-- _bspl.cp312-win_amd64.dll.a
    |-- _bspl.cp312-win_amd64.pyd
    |-- _bsplines.py
    |-- ... (37 more files)
|-- tests/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- test_bary_rational.cpython-312.pyc
|   |-- test_bsplines.cpython-312.pyc
|   |-- test_fitpack.cpython-312.pyc
|   |-- test_fitpack2.cpython-312.pyc
|   |-- ... (9 more files)
|-- data/
|   |-- bug-1310.npz
|   |-- estimate_gradients_hang.npy
|   |-- gcvspl.npz
|   |-- test_bary_rational.py
|   |-- test_bsplines.py
|   |-- test_fitpack.py
|   |-- test_fitpack2.py
|   |-- ... (11 more files)
|-- io/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _fortran.cpython-312.pyc
|       |-- _idl.cpython-312.pyc
|       |-- _mmio.cpython-312.pyc
|       |-- _netcdf.cpython-312.pyc
|       |-- ... (5 more files)
|-- _fast_matrix_market/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _fmm_core.cp312-win_amd64.dll.a
|       |-- _fmm_core.cp312-win_amd64.pyd
|-- _fortran.py
|-- _harwell_boeing/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _fortran_format_parser.cpython-312.pyc
|       |-- hb.cpython-312.pyc
|-- _fortran_format_parser.py
|-- hb.py
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_fortran_format.cpython-312.pyc
|       |-- test_hb.cpython-312.pyc
|       |-- test_fortran_format.py
|       |-- test_hb.py
|-- _idl.py
|-- _mmio.py
|-- _netcdf.py
|-- ... (13 more files)

```

```

|-- arff/
|  |-- __init__.py
|  |-- __pycache__/
|  |  |-- __init__.cpython-312.pyc
|  |  |-- _arffread.cpython-312.pyc
|  |  |-- arffread.cpython-312.pyc
|  |-- _arffread.py
|  |-- arffread.py
|  |-- tests/
|  |  |-- __init__.py
|  |  |-- __pycache__/
|  |  |  |-- __init__.cpython-312.pyc
|  |  |  |-- test_arffread.cpython-312.pyc
|  |  |-- data/
|  |  |  |-- iris.arff
|  |  |  |-- missing.arff
|  |  |  |-- nodata.arff
|  |  |  |-- quoted_nominal.arff
|  |  |  |-- quoted_nominal_spaces.arff
|  |  |  |-- ... (11 more files)
|  |  |-- test_arffread.py
|-- matlab/
|  |-- __init__.py
|  |-- __pycache__/
|  |  |-- __init__.cpython-312.pyc
|  |  |-- _byteordercodes.cpython-312.pyc
|  |  |-- _mio.cpython-312.pyc
|  |  |-- _mio4.cpython-312.pyc
|  |  |-- _mio5.cpython-312.pyc
|  |  |-- ... (11 more files)
|  |-- _byteordercodes.py
|  |-- _mio.py
|  |-- _mio4.py
|  |-- _mio5.py
|  |-- ... (19 more files)
|  |-- tests/
|  |  |-- __init__.py
|  |  |-- __pycache__/
|  |  |  |-- __init__.cpython-312.pyc
|  |  |  |-- test_byteordercodes.cpython-312.pyc
|  |  |  |-- test_mio.cpython-312.pyc
|  |  |  |-- test_mio5_utils.cpython-312.pyc
|  |  |  |-- test_mio_funcs.cpython-312.pyc
|  |  |  |-- ... (4 more files)
|  |  |-- data/
|  |  |  |-- bad_miuuint32.mat
|  |  |  |-- bad_miutf8_array_name.mat
|  |  |  |-- big_endian.mat
|  |  |  |-- broken_utf8.mat
|  |  |  |-- corrupted_zlib_checksum.mat
|  |  |  |-- ... (106 more files)
|  |  |-- test_byteordercodes.py
|  |  |-- test_mio.py

```

```

        |-- test_mio5_utils.py
        |-- test_mio_funcs.py
        |-- ... (6 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_fortran.cpython-312.pyc
        |-- test_idl.cpython-312.pyc
        |-- test_mmio.cpython-312.pyc
        |-- test_netcdf.cpython-312.pyc
        |-- ... (2 more files)
    |-- data/
        |-- Transparent Busy.ani
        |-- array_float32_1d.sav
        |-- array_float32_2d.sav
        |-- array_float32_3d.sav
        |-- array_float32_4d.sav
        |-- ... (82 more files)
    |-- test_fortran.py
    |-- test_idl.py
    |-- test_mmio.py
    |-- test_netcdf.py
    |-- ... (4 more files)
|-- linalg/
    |-- __init__.pxd
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _basic.cpython-312.pyc
        |-- _decomp.cpython-312.pyc
        |-- _decomp_cholesky.cpython-312.pyc
        |-- _decomp_cossin.cpython-312.pyc
        |-- ... (30 more files)
    |-- _basic.py
    |-- _blas_subroutines.h
    |-- _cythonized_array_utils.cp312-win_amd64.dll.a
    |-- ... (67 more files)
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_basic.cpython-312.pyc
            |-- test_blas.cpython-312.pyc
            |-- test_cython_blas.cpython-312.pyc
            |-- test_cython_lapack.cpython-312.pyc
            |-- ... (19 more files)
        |-- _cython_examples/
            |-- extending.pyx
            |-- meson.build
        |-- data/
            |-- carex_15_data.npz
            |-- carex_18_data.npz

```

```

|-- carex_19_data.npz
|-- carex_20_data.npz
|-- carex_6_data.npz
|-- ... (1 more files)
|-- test_basic.py
|-- test_blas.py
|-- test_cython_blas.py
|-- test_cython_lapack.py
|-- ... (22 more files)
|-- misc/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common.cpython-312.pyc
|-- doccer.cpython-312.pyc
|-- common.py
|-- doccer.py
|-- ndimage/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _delegators.cpython-312.pyc
|-- _filters.cpython-312.pyc
|-- _fourier.cpython-312.pyc
|-- _interpolation.cpython-312.pyc
|-- ... (11 more files)
|-- _ctest.cp312-win_amd64.dll.a
|-- _ctest.cp312-win_amd64.pyd
|-- _cytest.cp312-win_amd64.dll.a
|-- _cytest.cp312-win_amd64.pyd
|-- ... (23 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_c_api.cpython-312.pyc
|-- test_datatypes.cpython-312.pyc
|-- test_filters.cpython-312.pyc
|-- test_fourier.cpython-312.pyc
|-- ... (5 more files)
|-- data/
|-- label_inputs.txt
|-- label_results.txt
|-- label_strels.txt
|-- dots.png
|-- test_c_api.py
|-- test_datatypes.py
|-- test_filters.py
|-- ... (8 more files)
|-- odr/
|-- __init__.py
|-- __odrpick.cp312-win_amd64.dll.a
|-- __odrpick.cp312-win_amd64.pyd

```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _add_newdocs.cpython-312.pyc
|   |-- _models.cpython-312.pyc
|   |-- _odrpick.cpython-312.pyc
|   |-- models.cpython-312.pyc
|   |-- ... (1 more files)
|-- _add_newdocs.py
|-- _models.py
|-- ... (5 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_odr.cpython-312.pyc
|   |-- test_odr.py
|-- optimize/
|   |-- __init__.pyd
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _basinhopping.cpython-312.pyc
|       |-- _bracket.cpython-312.pyc
|       |-- _chandrupatla.cpython-312.pyc
|       |-- _cobyla_py.cpython-312.pyc
|       |-- ... (53 more files)
|-- _basinhopping.py
|-- _bglu_dense.cp312-win_amd64.dll.a
|-- _bglu_dense.cp312-win_amd64.pyd
|-- ... (87 more files)
|-- _highspy/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _highs_wrapper.cpython-312.pyc
|   |-- _core.cp312-win_amd64.dll.a
|   |-- _core.cp312-win_amd64.pyd
|   |-- _highs_options.cp312-win_amd64.dll.a
|   |-- _highs_options.cp312-win_amd64.pyd
|   |-- ... (2 more files)
|-- _lsq/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- bvls.cpython-312.pyc
|       |-- common.cpython-312.pyc
|       |-- dogbox.cpython-312.pyc
|       |-- least_squares.cpython-312.pyc
|       |-- ... (3 more files)
|-- bvls.py
|-- common.py
|-- dogbox.py
|-- givens_elimination.cp312-win_amd64.dll.a

```

```

|-- ... (6 more files)
|-- _shgo_lib/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _complex.cpython-312.pyc
|--     _vertex.cpython-312.pyc
|--   _complex.py
|--   _vertex.py
|-- _trlib/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--   _trlib.cp312-win_amd64.dll.a
|--   _trlib.cp312-win_amd64.pyd
|-- _trustregion_constr/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     canonical_constraint.cpython-312.pyc
|--     equality_constrained_sqp.cpython-312.pyc
|--     minimize_trustregion_constr.cpython-312.pyc
|--     projections.cpython-312.pyc
|--     ... (3 more files)
|--   canonical_constraint.py
|--   equality_constrained_sqp.py
|--   minimize_trustregion_constr.py
|--   projections.py
|--   ... (5 more files)
|-- tests/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     test_canonical_constraint.cpython-312.pyc
|--     test_nested_minimize.cpython-312.pyc
|--     test_projections.cpython-312.pyc
|--     test_qp_subproblem.cpython-312.pyc
|--     ... (1 more files)
|--   test_canonical_constraint.py
|--   test_nested_minimize.py
|--   test_projections.py
|--   test_qp_subproblem.py
|--   ... (2 more files)
|-- cython_optimize/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--   _zeros.cp312-win_amd64.dll.a
|--   _zeros.cp312-win_amd64.pyd
|--   _zeros.pxd
|--   c_zeros.pxd
|-- tests/
|--   __init__.py

```



```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- test__basinhopping.cpython-312.pyc
|   |-- test__differential_evolution.cpython-312.pyc
|   |-- test__dual_annealing.cpython-312.pyc
|   |-- test__linprog_clean_inputs.cpython-312.pyc
|   |-- ... (39 more files)
|-- _cython_examples/
|   |-- extending.pyx
|   |-- meson.build
|   |-- test__basinhopping.py
|   |-- test__differential_evolution.py
|   |-- test__dual_annealing.py
|   |-- test__linprog_clean_inputs.py
|   |-- ... (41 more files)
|-- signal/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _arraytools.cpython-312.pyc
|       |-- _czt.cpython-312.pyc
|       |-- _filter_design.cpython-312.pyc
|       |-- _fir_filter_design.cpython-312.pyc
|       |-- ... (22 more files)
|   |-- _arraytools.py
|   |-- _czt.py
|   |-- _filter_design.py
|   |-- _fir_filter_design.py
|   |-- ... (38 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _scipy_spectral_test_shim.cpython-312.pyc
|       |-- mpsig.cpython-312.pyc
|       |-- test_array_tools.cpython-312.pyc
|       |-- test_bsplines.cpython-312.pyc
|       |-- ... (18 more files)
|   |-- _scipy_spectral_test_shim.py
|   |-- mpsig.py
|   |-- test_array_tools.py
|   |-- test_bsplines.py
|   |-- ... (19 more files)
|-- windows/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _windows.cpython-312.pyc
|       |-- windows.cpython-312.pyc
|   |-- _windows.py
|   |-- windows.py
|-- sparse/
|   |-- __init__.py

```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _base.cpython-312.pyc
|   |-- _bsr.cpython-312.pyc
|   |-- _compressed.cpython-312.pyc
|   |-- _construct.cpython-312.pyc
|   |-- ... (28 more files)
|-- _base.py
|-- _bsr.py
|-- _compressed.py
|-- _construct.py
|-- ... (36 more files)
|-- csgraph/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _laplacian.cpython-312.pyc
|       |-- _validation.cpython-312.pyc
|   |-- _flow.cp312-win_amd64.dll.a
|   |-- _flow.cp312-win_amd64.pyd
|   |-- _laplacian.py
|   |-- _matching.cp312-win_amd64.dll.a
|   |-- ... (14 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_connected_components.cpython-312.pyc
|       |-- test_conversions.cpython-312.pyc
|       |-- test_flow.cpython-312.pyc
|       |-- test_graph_laplacian.cpython-312.pyc
|       |-- ... (6 more files)
|   |-- test_connected_components.py
|   |-- test_conversions.py
|   |-- test_flow.py
|   |-- test_graph_laplacian.py
|   |-- ... (7 more files)
|-- linalg/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _expm_multiply.cpython-312.pyc
|       |-- _interface.cpython-312.pyc
|       |-- _matfuncs.cpython-312.pyc
|       |-- _norm.cpython-312.pyc
|       |-- ... (8 more files)
|-- _dsolve/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _add_newdocs.cpython-312.pyc
|       |-- linsolve.cpython-312.pyc
|   |-- _add_newdocs.py

```

```

|-- _superlu.cp312-win_amd64.dll.a
|-- _superlu.cp312-win_amd64.pyd
|-- linsolve.py
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_linsolve.cpython-312.pyc
    |-- test_linsolve.py
|-- _eigen/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _svds.cpython-312.pyc
        |-- _svds_doc.cpython-312.pyc
    |-- _svds.py
    |-- _svds_doc.py
|-- arpack/
    |-- COPYING
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- arpack.cpython-312.pyc
    |-- _arpack.cp312-win_amd64.dll.a
    |-- _arpack.cp312-win_amd64.pyd
    |-- arpack.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_arpack.cpython-312.pyc
        |-- test_arpack.py
|-- lobpcg/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- lobpcg.cpython-312.pyc
    |-- lobpcg.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_lobpcg.cpython-312.pyc
        |-- test_lobpcg.py
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_svds.cpython-312.pyc
    |-- test_svds.py
|-- _expm_multiply.py
|-- _interface.py
|-- _isolve/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _gcrotmk.cpython-312.pyc
|   |-- iterative.cpython-312.pyc
|   |-- lgmres.cpython-312.pyc
|   |-- lsmr.cpython-312.pyc
|   |-- ... (4 more files)
|-- _gcrotmk.py
|-- iterative.py
|-- lgmres.py
|-- lsmr.py
|-- ... (6 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_gcrotmk.cpython-312.pyc
|       |-- test_iterative.cpython-312.pyc
|       |-- test_lgmres.cpython-312.pyc
|       |-- test_lsmr.cpython-312.pyc
|       |-- ... (3 more files)
|   |-- test_gcrotmk.py
|   |-- test_iterative.py
|   |-- test_lgmres.py
|   |-- test_lsmr.py
|   |-- ... (4 more files)
|-- _matfuncs.py
|-- _norm.py
|-- ... (14 more files)
|-- _propack/
|   |-- _cpropack.cp312-win_amd64.dll.a
|   |-- _cpropack.cp312-win_amd64.pyd
|   |-- _dpropack.cp312-win_amd64.dll.a
|   |-- _dpropack.cp312-win_amd64.pyd
|   |-- _spropack.cp312-win_amd64.dll.a
|   |-- ... (3 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_expm_multiply.cpython-312.pyc
|       |-- test_interface.cpython-312.pyc
|       |-- test_matfuncs.cpython-312.pyc
|       |-- test_norm.cpython-312.pyc
|       |-- ... (4 more files)
|   |-- propack_test_data.npz
|   |-- test_expm_multiply.py
|   |-- test_interface.py
|   |-- test_matfuncs.py
|   |-- ... (6 more files)
|-- tests/
|-- __init__.py

```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- test_arithmetic1d.cpython-312.pyc
|   |-- test_array_api.cpython-312.pyc
|   |-- test_base.cpython-312.pyc
|   |-- test_common1d.cpython-312.pyc
|   |-- ... (12 more files)
|-- data/
|   |-- csc_py2.npz
|   |-- csc_py3.npz
|   |-- test_arithmetic1d.py
|   |-- test_array_api.py
|   |-- test_base.py
|   |-- test_common1d.py
|   |-- ... (14 more files)
|-- spatial/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _geometric_slerp.cpython-312.pyc
|       |-- _kdtree.cpython-312.pyc
|       |-- _plotutils.cpython-312.pyc
|       |-- _procrustes.cpython-312.pyc
|       |-- ... (5 more files)
|   |-- _ckdtree.cp312-win_amd64.dll.a
|   |-- _ckdtree.cp312-win_amd64.pyd
|   |-- _distance_pybind.cp312-win_amd64.dll.a
|   |-- _distance_pybind.cp312-win_amd64.pyd
|   |-- ... (24 more files)
|   |-- qhull_src/
|       |-- COPYING.txt
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test__plotutils.cpython-312.pyc
|       |-- test__procrustes.cpython-312.pyc
|       |-- test_distance.cpython-312.pyc
|       |-- test_hausdorff.cpython-312.pyc
|       |-- ... (4 more files)
|   |-- data/
|       |-- cdist-X1.txt
|       |-- cdist-X2.txt
|       |-- degenerate_pointset.npz
|       |-- iris.txt
|       |-- pdist-boolean-inp.txt
|       |-- ... (26 more files)
|   |-- test__plotutils.py
|   |-- test__procrustes.py
|   |-- test_distance.py
|   |-- test_hausdorff.py
|   |-- ... (6 more files)
|-- transform/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _rotation_groups.cpython-312.pyc
|   |-- _rotation_spline.cpython-312.pyc
|   |-- rotation.cpython-312.pyc
|-- _rotation.cp312-win_amd64.dll.a
|-- _rotation.cp312-win_amd64.pyd
|-- _rotation_groups.py
|-- _rotation_spline.py
|-- ... (3 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_rotation.cpython-312.pyc
|       |-- test_rotation_groups.cpython-312.pyc
|       |-- test_rotation_spline.cpython-312.pyc
|   |-- test_rotation.py
|   |-- test_rotation_groups.py
|   |-- test_rotation_spline.py
|-- special/
|   |-- __init__.pxd
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _add_newdocs.cpython-312.pyc
|       |-- _basic.cpython-312.pyc
|       |-- _ellip_harm.cpython-312.pyc
|       |-- _input_validation.cpython-312.pyc
|       |-- ... (16 more files)
|-- _add_newdocs.py
|-- _basic.py
|-- _comb.cp312-win_amd64.dll.a
|-- ... (51 more files)
|-- _precompute/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- cosine_cdf.cpython-312.pyc
|       |-- expn_asy.cpython-312.pyc
|       |-- gammainc_asy.cpython-312.pyc
|       |-- gammainc_data.cpython-312.pyc
|       |-- ... (9 more files)
|   |-- cosine_cdf.py
|   |-- expn_asy.py
|   |-- gammainc_asy.py
|   |-- gammainc_data.py
|   |-- ... (10 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc

```

```

|-- test_basic.cpython-312.pyc
|-- test_bdtr.cpython-312.pyc
|-- test_boost_ufuncs.cpython-312.pyc
|-- test_boxcox.cpython-312.pyc
|-- ... (53 more files)
|-- _cython_examples/
|-- extending.pyx
|-- meson.build
|-- data/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- boost.npz
|-- gsl.npz
|-- local.npz
|-- test_basic.py
|-- test_bdtr.py
|-- test_boost_ufuncs.py
|-- test_boxcox.py
|-- ... (56 more files)
|-- xsf/
|-- binom.h
|-- cdfplib.h
|-- cephes/
|-- airy.h
|-- besselpoly.h
|-- beta.h
|-- cbrt.h
|-- chbevl.h
|-- ... (35 more files)
|-- config.h
|-- digamma.h
|-- error.h
|-- ... (12 more files)
|-- stats/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _axis_nan_policy.cpython-312.pyc
|-- _binned_statistic.cpython-312.pyc
|-- _binomtest.cpython-312.pyc
|-- _bws_test.cpython-312.pyc
|-- ... (53 more files)
|-- _ansari_swilk_statistics.cp312-win_amd64.dll.a
|-- _ansari_swilk_statistics.cp312-win_amd64.pyd
|-- _axis_nan_policy.py
|-- _biasedurn.cp312-win_amd64.dll.a
|-- ... (77 more files)
|-- _levy_stable/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- levyst.cp312-win_amd64.dll.a

```

```

|-- levyst.cp312-win_amd64.pyd
|-- _rcont/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--   rcont.cp312-win_amd64.dll.a
|--   rcont.cp312-win_amd64.pyd
|-- _unuran/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--   unuran_wrapper.cp312-win_amd64.dll.a
|--   unuran_wrapper.cp312-win_amd64.pyd
|--   unuran_wrapper.pyi
|-- tests/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     common_tests.cpython-312.pyc
|--     test_axis_nan_policy.cpython-312.pyc
|--     test_binned_statistic.cpython-312.pyc
|--     test_censored_data.cpython-312.pyc
|--     ... (31 more files)
|--   common_tests.py
|-- data/
|--   __pycache__/
|--     _mvt.cpython-312.pyc
|--     fisher_exact_results_from_r.cpython-312.pyc
|--   _mvt.py
|--   fisher_exact_results_from_r.py
|--   jf_skew_t_gamlss_pdf_data.npy
|--   levy_stable/
|--     stable-Z1-cdf-sample-data.npy
|--     stable-Z1-pdf-sample-data.npy
|--     stable-loc-scale-sample-data.npy
|--   nist_anova/
|--     AtmWtAg.dat
|--     SiRstv.dat
|--     SmLs01.dat
|--     SmLs02.dat
|--     SmLs03.dat
|--     ... (6 more files)
|--   nist_linregress/
|--     Norris.dat
|--   rel_breitwigner_pdf_sample_data_ROOT.npy
|--   studentized_range_mpmath_ref.json
|--   test_axis_nan_policy.py
|--   test_binned_statistic.py
|--   test_censored_data.py
|--   ... (33 more files)
|-- version.py
|-- scipy-1.15.3.dist-info/
|-- DELVEWHEEL

```



```

|-- INSTALLER
|-- LICENSE.txt
|-- METADATA
|-- RECORD
|-- ... (1 more files)
|-- scipy.libs/
|-- libscipy_openblas-f07f5a5d207a3a47104dca54d6d0c86a.dll
|-- setuptools/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _core_metadata.cpython-312.pyc
|-- _discovery.cpython-312.pyc
|-- _entry_points.cpython-312.pyc
|-- _imp.cpython-312.pyc
|-- ... (28 more files)
|-- _core_metadata.py
|-- _discovery.py
|-- _distutils/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _log.cpython-312.pyc
|-- _macos_compat.cpython-312.pyc
|-- _modified.cpython-312.pyc
|-- _msvccompiler.cpython-312.pyc
|-- ... (23 more files)
|-- _log.py
|-- _macos_compat.py
|-- _modified.py
|-- _msvccompiler.py
|-- ... (28 more files)
|-- command/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _framework_compat.cpython-312.pyc
|-- bdist.cpython-312.pyc
|-- bdist_dumb.cpython-312.pyc
|-- bdist_rpm.cpython-312.pyc
|-- ... (15 more files)
|-- _framework_compat.py
|-- bdist.py
|-- bdist_dumb.py
|-- bdist_rpm.py
|-- ... (16 more files)
|-- compat/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- numpy.cpython-312.pyc
|-- py39.cpython-312.pyc
|-- numpy.py

```

```

|-- py39.py
|-- compilers/
|-- C/
|-- __pycache__/
|-- base.cpython-312.pyc
|-- cygwin.cpython-312.pyc
|-- errors.cpython-312.pyc
|-- msvc.cpython-312.pyc
|-- unix.cpython-312.pyc
|-- ... (1 more files)
|-- base.py
|-- cygwin.py
|-- errors.py
|-- msvc.py
|-- tests/
|-- __pycache__/
|-- test_base.cpython-312.pyc
|-- test_cygwin.cpython-312.pyc
|-- test_mingw.cpython-312.pyc
|-- test_msvc.cpython-312.pyc
|-- test_unix.cpython-312.pyc
|-- test_base.py
|-- test_cygwin.py
|-- test_mingw.py
|-- test_msvc.py
|-- test_unix.py
|-- unix.py
|-- ... (3 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- support.cpython-312.pyc
|-- test_archive_util.cpython-312.pyc
|-- test_bdist.cpython-312.pyc
|-- test_bdist_dumb.cpython-312.pyc
|-- ... (31 more files)
|-- compat/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- py39.cpython-312.pyc
|-- py39.py
|-- support.py
|-- test_archive_util.py
|-- test_bdist.py
|-- test_bdist_dumb.py
|-- ... (33 more files)
|-- _entry_points.py
|-- _imp.py
|-- ... (45 more files)
|-- _vendor/
|-- __pycache__/

```

```

|-- typing_extensions.cpython-312.pyc
|-- autocommand/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- autoasync.cpython-312.pyc
|-- autocommand.cpython-312.pyc
|-- automain.cpython-312.pyc
|-- autoparse.cpython-312.pyc
|-- ... (1 more files)
|-- autoasync.py
|-- autocommand.py
|-- automain.py
|-- autoparse.py
|-- ... (2 more files)
|-- autocommand-2.2.2.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- ... (1 more files)
|-- backports/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- tarfile/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- compat/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- py38.cpython-312.pyc
|-- py38.py
|-- backports.tarfile-1.2.0.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- REQUESTED
|-- ... (2 more files)
|-- importlib_metadata/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _adapters.cpython-312.pyc
|-- _collections.cpython-312.pyc
|-- _compat.cpython-312.pyc
|-- _functools.cpython-312.pyc

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```

    |-- ... (4 more files)
|-- _adapters.py
|-- _collections.py
|-- _compat.py
|-- _functools.py
|-- ... (7 more files)
|-- compat/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- py311.cpython-312.pyc
        |-- py39.cpython-312.pyc
    |-- py311.py
    |-- py39.py
|-- importlib_metadata-8.0.0.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- REQUESTED
    |-- ... (2 more files)
|-- inflect/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- compat/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- py38.cpython-312.pyc
        |-- py38.py
    |-- py.typed
|-- inflect-7.3.1.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- ... (1 more files)
|-- jaraco/
    |-- __pycache__/
        |-- context.cpython-312.pyc
    |-- collections/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
        |-- py.typed
    |-- context.py
    |-- functools/
        |-- __init__.py
        |-- __init__.pyi
        |-- __pycache__/
            |-- __init__.cpython-312.pyc

```

```

|-- py.typed
|-- text/
|-- Lorem ipsum.txt
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- layouts.cpython-312.pyc
|-- show-newlines.cpython-312.pyc
|-- strip-prefix.cpython-312.pyc
|-- to-dvorak.cpython-312.pyc
|-- ... (1 more files)
|-- layouts.py
|-- show-newlines.py
|-- strip-prefix.py
|-- ... (3 more files)
|-- jaraco.collections-5.1.0.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- REQUESTED
|-- ... (2 more files)
|-- jaraco.context-5.3.0.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- ... (1 more files)
|-- jaraco.functools-4.0.1.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- WHEEL
|-- ... (1 more files)
|-- jaraco.text-3.12.1.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- REQUESTED
|-- ... (2 more files)
|-- more_itertools/
|-- __init__.py
|-- __init__.pyi
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- more.cpython-312.pyc
|-- recipes.cpython-312.pyc
|-- more.py
|-- more.pyi
|-- py.typed

```

```

|-- ... (3 more files)
|-- more_itertools-10.3.0.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- RECORD
|-- REQUESTED
|-- ... (1 more files)
|-- packaging/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _elffile.cpython-312.pyc
|-- _manylinux.cpython-312.pyc
|-- _musllinux.cpython-312.pyc
|-- _parser.cpython-312.pyc
|-- ... (9 more files)
|-- _elffile.py
|-- _manylinux.py
|-- _musllinux.py
|-- _parser.py
|-- ... (12 more files)
|-- licenses/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _spdx.cpython-312.pyc
|-- _spdx.py
|-- packaging-24.2.dist-info/
|-- INSTALLER
|-- LICENSE
|-- LICENSE.APACHE
|-- LICENSE.BSD
|-- METADATA
|-- ... (3 more files)
|-- platformdirs/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- android.cpython-312.pyc
|-- api.cpython-312.pyc
|-- macos.cpython-312.pyc
|-- ... (3 more files)
|-- android.py
|-- api.py
|-- macos.py
|-- ... (5 more files)
|-- platformdirs-4.2.2.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD

```

```
|-- REQUESTED
|-- WHEEL
|-- licenses/
|   |-- LICENSE
|-- tomli/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _parser.cpython-312.pyc
|       |-- _re.cpython-312.pyc
|       |-- _types.cpython-312.pyc
|   |-- _parser.py
|   |-- _re.py
|   |-- _types.py
|   |-- py.typed
|-- tomli-2.0.1.dist-info/
|   |-- INSTALLER
|   |-- LICENSE
|   |-- METADATA
|   |-- RECORD
|   |-- REQUESTED
|   |-- ... (1 more files)
|-- typeguard/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _checkers.cpython-312.pyc
|       |-- _config.cpython-312.pyc
|       |-- _decorators.cpython-312.pyc
|       |-- _exceptions.cpython-312.pyc
|       |-- ... (8 more files)
|   |-- _checkers.py
|   |-- _config.py
|   |-- _decorators.py
|   |-- _exceptions.py
|   |-- ... (10 more files)
|-- typeguard-4.3.0.dist-info/
|   |-- INSTALLER
|   |-- LICENSE
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL
|   |-- ... (2 more files)
|-- typing_extensions-4.12.2.dist-info/
|   |-- INSTALLER
|   |-- LICENSE
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL
|-- typing_extensions.py
|-- wheel/
|   |-- __init__.py
|   |-- __main__.py
```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- __main__.cpython-312.pyc
|   |-- _bdist_wheel.cpython-312.pyc
|   |-- _setuptools_logging.cpython-312.pyc
|   |-- bdist_wheel.cpython-312.pyc
|   |-- ... (4 more files)
|-- _bdist_wheel.py
|-- _setuptools_logging.py
|-- bdist_wheel.py
|-- cli/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- convert.cpython-312.pyc
|       |-- pack.cpython-312.pyc
|       |-- tags.cpython-312.pyc
|       |-- unpack.cpython-312.pyc
|   |-- convert.py
|   |-- pack.py
|   |-- tags.py
|   |-- unpack.py
|-- ... (7 more files)
|-- vendored/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|   |-- packaging/
|       |-- LICENSE
|       |-- LICENSE.APACHE
|       |-- LICENSE.BSD
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- _elffile.cpython-312.pyc
|           |-- _manylinux.cpython-312.pyc
|           |-- _musllinux.cpython-312.pyc
|           |-- _parser.cpython-312.pyc
|           |-- ... (8 more files)
|       |-- _elffile.py
|       |-- ... (12 more files)
|   |-- vendor.txt
|-- wheel-0.45.1.dist-info/
|   |-- INSTALLER
|   |-- LICENSE.txt
|   |-- METADATA
|   |-- RECORD
|   |-- REQUESTED
|   |-- ... (2 more files)
|-- zipp/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc

```



```

        |-- glob.cpython-312.pyc
    |-- compat/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- py310.cpython-312.pyc
        |-- py310.py
    |-- glob.py
|-- zipp-3.19.2.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- REQUESTED
    |-- ... (2 more files)
|-- command/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _requirestxt.cpython-312.pyc
        |-- alias.cpython-312.pyc
        |-- bdist_egg.cpython-312.pyc
        |-- bdist_rpm.cpython-312.pyc
        |-- ... (19 more files)
    |-- _requirestxt.py
    |-- alias.py
    |-- bdist_egg.py
    |-- bdist_rpm.py
    |-- ... (21 more files)
|-- compat/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- py310.cpython-312.pyc
        |-- py311.cpython-312.pyc
        |-- py312.cpython-312.pyc
        |-- py39.cpython-312.pyc
    |-- py310.py
    |-- py311.py
    |-- py312.py
    |-- py39.py
|-- config/
    |-- NOTICE
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _apply_pyprojecttoml.cpython-312.pyc
        |-- expand.cpython-312.pyc
        |-- pyprojecttoml.cpython-312.pyc
        |-- setupcfg.cpython-312.pyc
    |-- _apply_pyprojecttoml.py
    |-- _validate_pyproject/
        |-- NOTICE

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- error_reporting.cpython-312.pyc
|   |-- extra_validations.cpython-312.pyc
|   |-- fastjsonschema_exceptions.cpython-312.pyc
|   |-- fastjsonschema_validations.cpython-312.pyc
|   |-- ... (1 more files)
|-- error_reporting.py
|-- extra_validations.py
|-- fastjsonschema_exceptions.py
|-- ... (3 more files)
|-- distutils.schema.json
|-- expand.py
|-- ... (5 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- contexts.cpython-312.pyc
|       |-- environment.cpython-312.pyc
|       |-- fixtures.cpython-312.pyc
|       |-- mod_with_constant.cpython-312.pyc
|       |-- ... (40 more files)
|-- compat/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- py39.cpython-312.pyc
|   |-- py39.py
|-- config/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_apply_pyprojecttoml.cpython-312.pyc
|       |-- test_expand.cpython-312.pyc
|       |-- test_pyprojecttoml.cpython-312.pyc
|       |-- test_pyprojecttoml_dynamic_deps.cpython-312.pyc
|       |-- ... (1 more files)
|-- downloads/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- preload.cpython-312.pyc
|   |-- preload.py
|-- setupcfg_examples.txt
|-- test_apply_pyprojecttoml.py
|-- test_expand.py
|-- test_pyprojecttoml.py
|-- ... (4 more files)
|-- contexts.py
|-- environment.py
|-- fixtures.py

```

```

|-- indexes/
    |-- test_links_priority/
        |-- external.html
        |-- simple/
            |-- foobar/
                |-- index.html
|-- integration/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- helpers.cpython-312.pyc
        |-- test_pbr.cpython-312.pyc
        |-- test_pip_install_sdist.cpython-312.pyc
    |-- helpers.py
    |-- test_pbr.py
    |-- test_pip_install_sdist.py
|-- mod_with_constant.py
|-- ... (45 more files)
|-- setuptools-80.9.0.dist-info/
    |-- INSTALLER
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- entry_points.txt
    |-- licenses/
        |-- LICENSE
    |-- ... (2 more files)
|-- six-1.17.0.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- ... (1 more files)
|-- sympy/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- abc.cpython-312.pyc
        |-- conftest.cpython-312.pyc
        |-- galgebra.cpython-312.pyc
        |-- release.cpython-312.pyc
        |-- ... (1 more files)
    |-- abc.py
    |-- algebras/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- quaternion.cpython-312.pyc
        |-- quaternion.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/

```

```

        |-- __init__.cpython-312.pyc
        |-- test_quaternion.cpython-312.pyc
    |-- test_quaternion.py
|-- assumptions/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- ask.cpython-312.pyc
        |-- ask_generated.cpython-312.pyc
        |-- assume.cpython-312.pyc
        |-- cnf.cpython-312.pyc
        |-- ... (6 more files)
    |-- ask.py
    |-- ask_generated.py
    |-- assume.py
    |-- cnf.py
    |-- ... (11 more files)
|-- handlers/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- calculus.cpython-312.pyc
        |-- common.cpython-312.pyc
        |-- matrices.cpython-312.pyc
        |-- ntheory.cpython-312.pyc
        |-- ... (2 more files)
    |-- calculus.py
    |-- common.py
    |-- matrices.py
    |-- ntheory.py
    |-- ... (3 more files)
|-- predicates/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- calculus.cpython-312.pyc
        |-- common.cpython-312.pyc
        |-- matrices.cpython-312.pyc
        |-- ntheory.cpython-312.pyc
        |-- ... (2 more files)
    |-- calculus.py
    |-- common.py
    |-- matrices.py
    |-- ntheory.py
    |-- ... (3 more files)
|-- relation/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- binrel.cpython-312.pyc
        |-- equality.cpython-312.pyc
    |-- binrel.py
    |-- equality.py

```

```

|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_assumptions_2.cpython-312.pyc
|       |-- test_context.cpython-312.pyc
|       |-- test_matrices.cpython-312.pyc
|       |-- test_query.cpython-312.pyc
|       |-- ... (5 more files)
|   |-- test_assumptions_2.py
|   |-- test_context.py
|   |-- test_matrices.py
|   |-- test_query.py
|   |-- ... (6 more files)
|-- benchmarks/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- bench_discrete_log.cpython-312.pyc
|       |-- bench_meijerint.cpython-312.pyc
|       |-- bench_symbench.cpython-312.pyc
|   |-- bench_discrete_log.py
|   |-- bench_meijerint.py
|   |-- bench_symbench.py
|-- calculus/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- accumulationbounds.cpython-312.pyc
|       |-- euler.cpython-312.pyc
|       |-- finite_diff.cpython-312.pyc
|       |-- singularities.cpython-312.pyc
|       |-- ... (1 more files)
|   |-- accumulationbounds.py
|   |-- euler.py
|   |-- finite_diff.py
|   |-- singularities.py
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_accumulationbounds.cpython-312.pyc
|       |-- test_euler.cpython-312.pyc
|       |-- test_finite_diff.cpython-312.pyc
|       |-- test_singularities.cpython-312.pyc
|       |-- ... (1 more files)
|   |-- test_accumulationbounds.py
|   |-- test_euler.py
|   |-- test_finite_diff.py
|   |-- test_singularities.py
|   |-- ... (2 more files)
|-- ... (3 more files)
|-- categories/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- baseclasses.cpython-312.pyc
|   |-- diagram_drawing.cpython-312.pyc
|-- baseclasses.py
|-- diagram_drawing.py
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_baseclasses.cpython-312.pyc
|       |-- test_drawing.cpython-312.pyc
|   |-- test_baseclasses.py
|   |-- test_drawing.py
|-- codegen/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- abstract_nodes.cpython-312.pyc
|       |-- algorithms.cpython-312.pyc
|       |-- approximations.cpython-312.pyc
|       |-- ast.cpython-312.pyc
|       |-- ... (12 more files)
|-- abstract_nodes.py
|-- algorithms.py
|-- approximations.py
|-- ast.py
|-- ... (14 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_abstract_nodes.cpython-312.pyc
|       |-- test_algorithms.cpython-312.pyc
|       |-- test_applications.cpython-312.pyc
|       |-- test_approximations.cpython-312.pyc
|       |-- ... (11 more files)
|   |-- test_abstract_nodes.py
|   |-- test_algorithms.py
|   |-- test_applications.py
|   |-- test_approximations.py
|   |-- ... (12 more files)
|-- combinatorics/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- coset_table.cpython-312.pyc
|       |-- fp_groups.cpython-312.pyc
|       |-- free_groups.cpython-312.pyc
|       |-- galois.cpython-312.pyc
|       |-- ... (19 more files)
|-- coset_table.py

```

```

|-- fp_groups.py
|-- free_groups.py
|-- galois.py
|-- ... (21 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_coset_table.cpython-312.pyc
        |-- test_fp_groups.cpython-312.pyc
        |-- test_free_groups.cpython-312.pyc
        |-- test_galois.cpython-312.pyc
        |-- ... (18 more files)
    |-- test_coset_table.py
    |-- test_fp_groups.py
    |-- test_free_groups.py
    |-- test_galois.py
    |-- ... (19 more files)
|-- concrete/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- delta.cpython-312.pyc
        |-- expr_with_intlimits.cpython-312.pyc
        |-- expr_with_limits.cpython-312.pyc
        |-- gosper.cpython-312.pyc
        |-- ... (3 more files)
    |-- delta.py
    |-- expr_with_intlimits.py
    |-- expr_with_limits.py
    |-- gosper.py
    |-- ... (5 more files)
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_delta.cpython-312.pyc
            |-- test_gosper.cpython-312.pyc
            |-- test_guess.cpython-312.pyc
            |-- test_products.cpython-312.pyc
            |-- ... (1 more files)
        |-- test_delta.py
        |-- test_gosper.py
        |-- test_guess.py
        |-- test_products.py
        |-- ... (2 more files)
|-- conftest.py
|-- core/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _print_helpers.cpython-312.pyc
        |-- add.cpython-312.pyc

```

```

|-- alphabets.cpython-312.pyc
|-- assumptions.cpython-312.pyc
|-- ... (33 more files)
|-- _print_helpers.py
|-- add.py
|-- alphabets.py
|-- assumptions.py
|-- ... (36 more files)
|-- benchmarks/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     bench_arit.cpython-312.pyc
|--     bench_assumptions.cpython-312.pyc
|--     bench_basic.cpython-312.pyc
|--     bench_expand.cpython-312.pyc
|--     ... (2 more files)
|--   bench_arit.py
|--   bench_assumptions.py
|--   bench_basic.py
|--   bench_expand.py
|--   ... (3 more files)
|-- tests/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     test_args.cpython-312.pyc
|--     test_arit.cpython-312.pyc
|--     test_assumptions.cpython-312.pyc
|--     test_basic.cpython-312.pyc
|--     ... (36 more files)
|--   test_args.py
|--   test_arit.py
|--   test_assumptions.py
|--   test_basic.py
|--   ... (37 more files)
|-- crypto/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     crypto.cpython-312.pyc
|--   crypto.py
|--   tests/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       test_crypto.cpython-312.pyc
|--     test_crypto.py
|-- diffgeom/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     diffgeom.cpython-312.pyc

```



```

|-- rn.cpython-312.pyc
|-- diffgeom.py
|-- rn.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_class_structure.cpython-312.pyc
|-- test_diffgeom.cpython-312.pyc
|-- test_function_diffgeom_book.cpython-312.pyc
|-- test_hyperbolic_space.cpython-312.pyc
|-- test_class_structure.py
|-- test_diffgeom.py
|-- test_function_diffgeom_book.py
|-- test_hyperbolic_space.py
|-- discrete/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- convolutions.cpython-312.pyc
|-- recurrences.cpython-312.pyc
|-- transforms.cpython-312.pyc
|-- convolutions.py
|-- recurrences.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_convolutions.cpython-312.pyc
|-- test_recurrences.cpython-312.pyc
|-- test_transforms.cpython-312.pyc
|-- test_convolutions.py
|-- test_recurrences.py
|-- test_transforms.py
|-- transforms.py
|-- external/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- gmpy.cpython-312.pyc
|-- importtools.cpython-312.pyc
|-- ntheory.cpython-312.pyc
|-- pythonmpq.cpython-312.pyc
|-- gmpy.py
|-- importtools.py
|-- ntheory.py
|-- pythonmpq.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_autowrap.cpython-312.pyc
|-- test_codegen.cpython-312.pyc

```

```

|-- test_gmpy.cpython-312.pyc
|-- test_importtools.cpython-312.pyc
|-- ... (4 more files)
|-- test_autowrap.py
|-- test_codegen.py
|-- test_gmpy.py
|-- test_importtools.py
|-- ... (5 more files)
|-- functions/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- combinatorial/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- factorials.cpython-312.pyc
|-- numbers.cpython-312.pyc
|-- factorials.py
|-- numbers.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_comb_factorials.cpython-312.pyc
|-- test_comb_numbers.cpython-312.pyc
|-- test_comb_factorials.py
|-- test_comb_numbers.py
|-- elementary/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _trigonometric_special.cpython-312.pyc
|-- complexes.cpython-312.pyc
|-- exponential.cpython-312.pyc
|-- hyperbolic.cpython-312.pyc
|-- ... (4 more files)
|-- _trigonometric_special.py
|-- benchmarks/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bench_exp.cpython-312.pyc
|-- bench_exp.py
|-- complexes.py
|-- exponential.py
|-- hyperbolic.py
|-- ... (7 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_complexes.cpython-312.pyc

```

```

|-- test_exponential.cpython-312.pyc
|-- test_hyperbolic.cpython-312.pyc
|-- test_integers.cpython-312.pyc
|-- ... (4 more files)
|-- test_complexes.py
|-- test_exponential.py
|-- test_hyperbolic.py
|-- test_integers.py
|-- ... (5 more files)
|-- special/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bessell.cpython-312.pyc
|-- beta_functions.cpython-312.pyc
|-- bsplines.cpython-312.pyc
|-- delta_functions.cpython-312.pyc
|-- ... (10 more files)
|-- benchmarks/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bench_special.cpython-312.pyc
|-- bench_special.py
|-- bessell.py
|-- beta_functions.py
|-- bsplines.py
|-- delta_functions.py
|-- ... (13 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_bessell.cpython-312.pyc
|-- test_beta_functions.cpython-312.pyc
|-- test_bsplines.cpython-312.pyc
|-- test_delta_functions.cpython-312.pyc
|-- ... (10 more files)
|-- test_bessell.py
|-- test_beta_functions.py
|-- test_bsplines.py
|-- test_delta_functions.py
|-- ... (11 more files)
|-- galgebra.py
|-- geometry/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- curve.cpython-312.pyc
|-- ellipse.cpython-312.pyc
|-- entity.cpython-312.pyc
|-- exceptions.cpython-312.pyc
|-- ... (6 more files)

```

```

|-- curve.py
|-- ellipse.py
|-- entity.py
|-- exceptions.py
|-- ... (8 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_curve.cpython-312.pyc
        |-- test_ellipse.cpython-312.pyc
        |-- test_entity.cpython-312.pyc
        |-- test_geometrysets.cpython-312.pyc
        |-- ... (6 more files)
    |-- test_curve.py
    |-- test_ellipse.py
    |-- test_entity.py
    |-- test_geometrysets.py
    |-- ... (7 more files)
|-- holonomic/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- holonomic.cpython-312.pyc
        |-- holonomicerrors.cpython-312.pyc
        |-- numerical.cpython-312.pyc
        |-- recurrence.cpython-312.pyc
    |-- holonomic.py
    |-- holonomicerrors.py
    |-- numerical.py
    |-- recurrence.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_holonomic.cpython-312.pyc
            |-- test_recurrence.cpython-312.pyc
        |-- test_holonomic.py
        |-- test_recurrence.py
|-- integrals/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- deltafunctions.cpython-312.pyc
        |-- heurisch.cpython-312.pyc
        |-- integrals.cpython-312.pyc
        |-- intpoly.cpython-312.pyc
        |-- ... (12 more files)
|-- benchmarks/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- bench_integrate.cpython-312.pyc

```

```

        |-- bench_trigintegrate.cpython-312.pyc
        |-- bench_integrate.py
        |-- bench_trigintegrate.py
|-- deltafunctions.py
|-- heurisch.py
|-- integrals.py
|-- intpoly.py
|-- ... (15 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_deltafunctions.cpython-312.pyc
        |-- test_failing_integrals.cpython-312.pyc
        |-- test_heurisch.cpython-312.pyc
        |-- test_integrals.cpython-312.pyc
        |-- ... (13 more files)
    |-- test_deltafunctions.py
    |-- test_failing_integrals.py
    |-- test_heurisch.py
    |-- test_integrals.py
    |-- ... (14 more files)
|-- interactive/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- printing.cpython-312.pyc
        |-- session.cpython-312.pyc
        |-- traversal.cpython-312.pyc
    |-- printing.py
    |-- session.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_interactive.cpython-312.pyc
            |-- test_ipython.cpython-312.pyc
        |-- test_interactive.py
        |-- test_ipython.py
    |-- traversal.py
|-- liealgebras/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- cartan_matrix.cpython-312.pyc
        |-- cartan_type.cpython-312.pyc
        |-- dynkin_diagram.cpython-312.pyc
        |-- root_system.cpython-312.pyc
        |-- ... (8 more files)
    |-- cartan_matrix.py
    |-- cartan_type.py
    |-- dynkin_diagram.py
    |-- root_system.py

```

```

|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_cartan_matrix.cpython-312.pyc
|       |-- test_cartan_type.cpython-312.pyc
|       |-- test_dynkin_diagram.cpython-312.pyc
|       |-- test_root_system.cpython-312.pyc
|       |-- ... (8 more files)
|   |-- test_cartan_matrix.py
|   |-- test_cartan_type.py
|   |-- test_dynkin_diagram.py
|   |-- test_root_system.py
|   |-- ... (9 more files)
|-- ... (10 more files)
|-- logic/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- boolalg.cpython-312.pyc
|       |-- inference.cpython-312.pyc
|-- algorithms/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- dpll.cpython-312.pyc
|       |-- dpll2.cpython-312.pyc
|       |-- lra_theory.cpython-312.pyc
|       |-- minisat22_wrapper.cpython-312.pyc
|       |-- ... (2 more files)
|   |-- dpll.py
|   |-- dpll2.py
|   |-- lra_theory.py
|   |-- minisat22_wrapper.py
|   |-- ... (3 more files)
|-- boolalg.py
|-- inference.py
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_boolalg.cpython-312.pyc
|       |-- test_dimacs.cpython-312.pyc
|       |-- test_inference.cpython-312.pyc
|       |-- test_lra_theory.cpython-312.pyc
|   |-- test_boolalg.py
|   |-- test_dimacs.py
|   |-- test_inference.py
|   |-- test_lra_theory.py
|-- utilities/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc

```

```

|-- dimacs.cpython-312.pyc
|-- dimacs.py
|-- matrices/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common.cpython-312.pyc
|-- decompositions.cpython-312.pyc
|-- dense.cpython-312.pyc
|-- determinant.cpython-312.pyc
|-- ... (16 more files)
|-- benchmarks/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bench_matrix.cpython-312.pyc
|-- bench_matrix.py
|-- common.py
|-- decompositions.py
|-- dense.py
|-- determinant.py
|-- ... (20 more files)
|-- expressions/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _shape.cpython-312.pyc
|-- adjoint.cpython-312.pyc
|-- applyfunc.cpython-312.pyc
|-- blockmatrix.cpython-312.pyc
|-- ... (20 more files)
|-- _shape.py
|-- adjoint.py
|-- applyfunc.py
|-- blockmatrix.py
|-- ... (22 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_adjoint.cpython-312.pyc
|-- test_applyfunc.cpython-312.pyc
|-- test_blockmatrix.cpython-312.pyc
|-- test_companion.cpython-312.pyc
|-- ... (21 more files)
|-- test_adjoint.py
|-- test_applyfunc.py
|-- test_blockmatrix.py
|-- test_companion.py
|-- ... (22 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/

```

```

|-- __init__.cpython-312.pyc
|-- test_commonmatrix.cpython-312.pyc
|-- test_decompositions.cpython-312.pyc
|-- test_determinant.cpython-312.pyc
|-- test_domains.cpython-312.pyc
|-- ... (13 more files)
|-- test_commonmatrix.py
|-- test_decompositions.py
|-- test_determinant.py
|-- test_domains.py
|-- ... (14 more files)
|-- multipledispatch/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conflict.cpython-312.pyc
|-- core.cpython-312.pyc
|-- dispatcher.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- conflict.py
|-- core.py
|-- dispatcher.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_conflict.cpython-312.pyc
|-- test_core.cpython-312.pyc
|-- test_dispatcher.cpython-312.pyc
|-- test_conflict.py
|-- test_core.py
|-- test_dispatcher.py
|-- utils.py
|-- nththeory/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bbp_pi.cpython-312.pyc
|-- continued_fraction.cpython-312.pyc
|-- digits.cpython-312.pyc
|-- ecm.cpython-312.pyc
|-- ... (10 more files)
|-- bbp_pi.py
|-- continued_fraction.py
|-- digits.py
|-- ecm.py
|-- ... (12 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_bbp_pi.cpython-312.pyc
|-- test_continued_fraction.cpython-312.pyc

```



```

|-- test_digits.cpython-312.pyc
|-- test_ecm.cpython-312.pyc
|-- ... (11 more files)
|-- test_bbp_pi.py
|-- test_continued_fraction.py
|-- test_digits.py
|-- test_ecm.py
|-- ... (12 more files)
|-- parsing/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- ast_parser.cpython-312.pyc
|-- mathematica.cpython-312.pyc
|-- maxima.cpython-312.pyc
|-- sym_expr.cpython-312.pyc
|-- ... (1 more files)
|-- ast_parser.py
|-- autolev/
|-- Autolev.g4
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _build_autolev_antlr.cpython-312.pyc
|-- _listener_autolev_antlr.cpython-312.pyc
|-- _parse_autolev_antlr.cpython-312.pyc
|-- _antlr/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- autolevlexer.cpython-312.pyc
|-- autolevlistener.cpython-312.pyc
|-- autolevparser.cpython-312.pyc
|-- autolevlexer.py
|-- autolevlistener.py
|-- autolevparser.py
|-- _build_autolev_antlr.py
|-- _listener_autolev_antlr.py
|-- _parse_autolev_antlr.py
|-- test-examples/
|-- README.txt
|-- __pycache__/
|-- ruletest1.cpython-312.pyc
|-- ruletest10.cpython-312.pyc
|-- ruletest11.cpython-312.pyc
|-- ruletest12.cpython-312.pyc
|-- ruletest2.cpython-312.pyc
|-- ... (7 more files)
|-- pydy-example-repo/
|-- __pycache__/
|-- chaos_pendulum.cpython-312.pyc
|-- double_pendulum.cpython-312.pyc
|-- mass_spring_damper.cpython-312.pyc

```

```

|-- non_min_pendulum.cpython-312.pyc
|-- chaos_pendulum.al
|-- chaos_pendulum.py
|-- double_pendulum.al
|-- double_pendulum.py
|-- mass_spring_damper.al
|-- ... (4 more files)
|-- ruletest1.al
|-- ruletest1.py
|-- ruletest10.al
|-- ruletest10.py
|-- ... (22 more files)
|-- c/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- c_parser.cpython-312.pyc
|-- c_parser.py
|-- fortran/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- fortran_parser.cpython-312.pyc
|-- fortran_parser.py
|-- latex/
|-- LICENSE.txt
|-- LaTeX.g4
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _build_latex_antlr.cpython-312.pyc
|-- _parse_latex_antlr.cpython-312.pyc
|-- errors.cpython-312.pyc
|-- _antlr/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- latexlexer.cpython-312.pyc
|-- latexparser.cpython-312.pyc
|-- latexlexer.py
|-- latexparser.py
|-- _build_latex_antlr.py
|-- _parse_latex_antlr.py
|-- ... (4 more files)
|-- lark/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- latex_parser.cpython-312.pyc
|-- transformer.cpython-312.pyc
|-- grammar/
|-- greek_symbols.lark
|-- latex.lark

```

```

        |-- latex_parser.py
        |-- transformer.py
|-- mathematica.py
|-- maxima.py
|-- sym_expr.py
|-- ... (7 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_ast_parser.cpython-312.pyc
        |-- test_autolev.cpython-312.pyc
        |-- test_c_parser.cpython-312.pyc
        |-- test_custom_latex.cpython-312.pyc
        |-- ... (9 more files)
    |-- test_ast_parser.py
    |-- test_autolev.py
    |-- test_c_parser.py
    |-- test_custom_latex.py
    |-- ... (10 more files)
|-- physics/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- hydrogen.cpython-312.pyc
        |-- matrices.cpython-312.pyc
        |-- paulialgebra.cpython-312.pyc
        |-- pring.cpython-312.pyc
        |-- ... (4 more files)
|-- biomechanics/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _mixin.cpython-312.pyc
        |-- activation.cpython-312.pyc
        |-- curve.cpython-312.pyc
        |-- musculotendon.cpython-312.pyc
    |-- _mixin.py
    |-- activation.py
    |-- curve.py
    |-- musculotendon.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_activation.cpython-312.pyc
            |-- test_curve.cpython-312.pyc
            |-- test_mixin.cpython-312.pyc
            |-- test_musculotendon.cpython-312.pyc
        |-- test_activation.py
        |-- test_curve.py
        |-- test_mixin.py
        |-- test_musculotendon.py

```

```

|-- continuum_mechanics/
|  |-- __init__.py
|  |-- __pycache__/
|     |-- __init__.cpython-312.pyc
|     |-- arch.cpython-312.pyc
|     |-- beam.cpython-312.pyc
|     |-- cable.cpython-312.pyc
|     |-- truss.cpython-312.pyc
|  |-- arch.py
|  |-- beam.py
|  |-- cable.py
|  |-- tests/
|     |-- __init__.py
|     |-- __pycache__/
|        |-- __init__.cpython-312.pyc
|        |-- test_arch.cpython-312.pyc
|        |-- test_beam.cpython-312.pyc
|        |-- test_cable.cpython-312.pyc
|        |-- test_truss.cpython-312.pyc
|     |-- test_arch.py
|     |-- test_beam.py
|     |-- test_cable.py
|     |-- test_truss.py
|  |-- truss.py
|-- control/
|  |-- __init__.py
|  |-- __pycache__/
|     |-- __init__.cpython-312.pyc
|     |-- control_plots.cpython-312.pyc
|     |-- lti.cpython-312.pyc
|  |-- control_plots.py
|  |-- lti.py
|  |-- tests/
|     |-- __init__.py
|     |-- __pycache__/
|        |-- __init__.cpython-312.pyc
|        |-- test_control_plots.cpython-312.pyc
|        |-- test_lti.cpython-312.pyc
|     |-- test_control_plots.py
|     |-- test_lti.py
|-- hep/
|  |-- __init__.py
|  |-- __pycache__/
|     |-- __init__.cpython-312.pyc
|     |-- gamma_matrices.cpython-312.pyc
|  |-- gamma_matrices.py
|  |-- tests/
|     |-- __init__.py
|     |-- __pycache__/
|        |-- __init__.cpython-312.pyc
|        |-- test_gamma_matrices.cpython-312.pyc
|     |-- test_gamma_matrices.py
|-- hydrogen.py

```

```

|-- matrices.py
|-- mechanics/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- actuator.cpython-312.pyc
        |-- body.cpython-312.pyc
        |-- body_base.cpython-312.pyc
        |-- functions.cpython-312.pyc
        |-- ... (14 more files)
    |-- actuator.py
    |-- body.py
    |-- body_base.py
    |-- functions.py
    |-- ... (16 more files)
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_actuator.cpython-312.pyc
            |-- test_body.cpython-312.pyc
            |-- test_functions.cpython-312.pyc
            |-- test_inertia.cpython-312.pyc
            |-- ... (20 more files)
        |-- test_actuator.py
        |-- test_body.py
        |-- test_functions.py
        |-- test_inertia.py
        |-- ... (21 more files)
|-- optics/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- gaussopt.cpython-312.pyc
        |-- medium.cpython-312.pyc
        |-- polarization.cpython-312.pyc
        |-- utils.cpython-312.pyc
        |-- ... (1 more files)
    |-- gaussopt.py
    |-- medium.py
    |-- polarization.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_gaussopt.cpython-312.pyc
            |-- test_medium.cpython-312.pyc
            |-- test_polarization.cpython-312.pyc
            |-- test_utils.cpython-312.pyc
            |-- ... (1 more files)
        |-- test_gaussopt.py
        |-- test_medium.py
        |-- test_polarization.py

```

```

|-- test_utils.py
|-- ... (2 more files)
|-- utils.py
|-- ... (3 more files)
|-- paulialgebra.py
|-- pring.py
|-- ... (15 more files)
|-- quantum/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- anticommutator.cpython-312.pyc
|-- boson.cpython-312.pyc
|-- cartesian.cpython-312.pyc
|-- cg.cpython-312.pyc
|-- ... (33 more files)
|-- anticommutator.py
|-- boson.py
|-- cartesian.py
|-- cg.py
|-- ... (35 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_anticommutator.cpython-312.pyc
|-- test_boson.cpython-312.pyc
|-- test_cartesian.cpython-312.pyc
|-- test_cg.cpython-312.pyc
|-- ... (33 more files)
|-- test_anticommutator.py
|-- test_boson.py
|-- test_cartesian.py
|-- test_cg.py
|-- ... (34 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_clebsch_gordan.cpython-312.pyc
|-- test_hydrogen.cpython-312.pyc
|-- test_paulialgebra.cpython-312.pyc
|-- test_physics_matrices.cpython-312.pyc
|-- ... (4 more files)
|-- test_clebsch_gordan.py
|-- test_hydrogen.py
|-- test_paulialgebra.py
|-- test_physics_matrices.py
|-- ... (5 more files)
|-- units/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```

```

|-- dimensions.cpython-312.pyc
|-- prefixes.cpython-312.pyc
|-- quantities.cpython-312.pyc
|-- unitsystem.cpython-312.pyc
|-- ... (1 more files)
|-- definitions/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- dimension_definitions.cpython-312.pyc
|-- unit_definitions.cpython-312.pyc
|-- dimension_definitions.py
|-- unit_definitions.py
|-- dimensions.py
|-- prefixes.py
|-- quantities.py
|-- systems/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- cgs.cpython-312.pyc
|-- length_weight_time.cpython-312.pyc
|-- mks.cpython-312.pyc
|-- mksa.cpython-312.pyc
|-- ... (2 more files)
|-- cgs.py
|-- length_weight_time.py
|-- mks.py
|-- mksa.py
|-- ... (3 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_dimensions.cpython-312.pyc
|-- test_dimensionsystem.cpython-312.pyc
|-- test_prefixes.cpython-312.pyc
|-- test_quantities.cpython-312.pyc
|-- ... (3 more files)
|-- test_dimensions.py
|-- test_dimensionsystem.py
|-- test_prefixes.py
|-- test_quantities.py
|-- ... (4 more files)
|-- unitsystem.py
|-- ... (5 more files)
|-- vector/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- dyadic.cpython-312.pyc
|-- fieldfunctions.cpython-312.pyc
|-- frame.cpython-312.pyc

```

```

|-- functions.cpython-312.pyc
|-- ... (3 more files)
|-- dyadic.py
|-- fieldfunctions.py
|-- frame.py
|-- functions.py
|-- ... (5 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_dyadic.cpython-312.pyc
|-- test_fieldfunctions.cpython-312.pyc
|-- test_frame.cpython-312.pyc
|-- test_functions.cpython-312.pyc
|-- ... (4 more files)
|-- test_dyadic.py
|-- test_fieldfunctions.py
|-- test_frame.py
|-- test_functions.py
|-- ... (5 more files)
|-- plotting/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- experimental_lambdify.cpython-312.pyc
|-- plot.cpython-312.pyc
|-- plot_implicit.cpython-312.pyc
|-- plotgrid.cpython-312.pyc
|-- ... (3 more files)
|-- backends/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- base_backend.cpython-312.pyc
|-- base_backend.py
|-- matplotlibbackend/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- matplotlib.cpython-312.pyc
|-- matplotlib.py
|-- textbackend/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- text.cpython-312.pyc
|-- text.py
|-- experimental_lambdify.py
|-- intervalmath/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```



```

|-- interval_arithmetic.cpython-312.pyc
|-- interval_membership.cpython-312.pyc
|-- lib_interval.cpython-312.pyc
|-- interval_arithmetic.py
|-- interval_membership.py
|-- lib_interval.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_interval_functions.cpython-312.pyc
|-- test_interval_membership.cpython-312.pyc
|-- test_intervalmath.cpython-312.pyc
|-- test_interval_functions.py
|-- test_interval_membership.py
|-- test_intervalmath.py
|-- plot.py
|-- plot_implicit.py
|-- plotgrid.py
|-- pygameletplot/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- color_scheme.cpython-312.pyc
|-- managed_window.cpython-312.pyc
|-- plot.cpython-312.pyc
|-- plot_axes.cpython-312.pyc
|-- ... (12 more files)
|-- color_scheme.py
|-- managed_window.py
|-- plot.py
|-- plot_axes.py
|-- ... (14 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_plotting.cpython-312.pyc
|-- test_plotting.py
|-- ... (8 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_experimental_lambdify.cpython-312.pyc
|-- test_plot.cpython-312.pyc
|-- test_plot_implicit.cpython-312.pyc
|-- test_series.cpython-312.pyc
|-- ... (2 more files)
|-- test_experimental_lambdify.py
|-- test_plot.py
|-- test_plot_implicit.py
|-- test_region_and.png

```

```

|-- ... (7 more files)
|-- polys/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- appellseqs.cpython-312.pyc
|-- compatibility.cpython-312.pyc
|-- constructor.cpython-312.pyc
|-- densearith.cpython-312.pyc
|-- ... (38 more files)
|-- agca/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- extensions.cpython-312.pyc
|-- homomorphisms.cpython-312.pyc
|-- ideals.cpython-312.pyc
|-- modules.cpython-312.pyc
|-- extensions.py
|-- homomorphisms.py
|-- ideals.py
|-- modules.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_extensions.cpython-312.pyc
|-- test_homomorphisms.cpython-312.pyc
|-- test_ideals.cpython-312.pyc
|-- test_modules.cpython-312.pyc
|-- test_extensions.py
|-- test_homomorphisms.py
|-- test_ideals.py
|-- test_modules.py
|-- appellseqs.py
|-- benchmarks/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bench_galoispolys.cpython-312.pyc
|-- bench_groebnertools.cpython-312.pyc
|-- bench_solvers.cpython-312.pyc
|-- bench_galoispolys.py
|-- bench_groebnertools.py
|-- bench_solvers.py
|-- compatibility.py
|-- constructor.py
|-- densearith.py
|-- ... (45 more files)
|-- domains/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```

```

|-- algebraicfield.cpython-312.pyc
|-- characteristiczero.cpython-312.pyc
|-- complexfield.cpython-312.pyc
|-- compositedomain.cpython-312.pyc
|-- ... (27 more files)
|-- algebraicfield.py
|-- characteristiczero.py
|-- complexfield.py
|-- compositedomain.py
|-- ... (29 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_domains.cpython-312.pyc
|-- test_polynomialring.cpython-312.pyc
|-- test_quotientring.cpython-312.pyc
|-- test_domains.py
|-- test_polynomialring.py
|-- test_quotientring.py
|-- matrices/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _dfm.cpython-312.pyc
|-- _typing.cpython-312.pyc
|-- ddm.cpython-312.pyc
|-- dense.cpython-312.pyc
|-- ... (10 more files)
|-- _dfm.py
|-- _typing.py
|-- ddm.py
|-- dense.py
|-- ... (12 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_ddm.cpython-312.pyc
|-- test_dense.cpython-312.pyc
|-- test_domainmatrix.cpython-312.pyc
|-- test_domainscalar.cpython-312.pyc
|-- ... (10 more files)
|-- test_ddm.py
|-- test_dense.py
|-- test_domainmatrix.py
|-- test_domainscalar.py
|-- ... (11 more files)
|-- numberfields/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- basis.cpython-312.pyc

```

```

|-- exceptions.cpython-312.pyc
|-- galois_resolvents.cpython-312.pyc
|-- galoisgroups.cpython-312.pyc
|-- ... (6 more files)
|-- basis.py
|-- exceptions.py
|-- galois_resolvents.py
|-- galoisgroups.py
|-- ... (8 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_basis.cpython-312.pyc
|-- test_galoisgroups.cpython-312.pyc
|-- test_minpoly.cpython-312.pyc
|-- test_modules.cpython-312.pyc
|-- ... (4 more files)
|-- test_basis.py
|-- test_galoisgroups.py
|-- test_minpoly.py
|-- test_modules.py
|-- ... (5 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_appellseqs.cpython-312.pyc
|-- test_constructor.cpython-312.pyc
|-- test_densearith.cpython-312.pyc
|-- test_densebasic.cpython-312.pyc
|-- ... (35 more files)
|-- test_appellseqs.py
|-- test_constructor.py
|-- test_densearith.py
|-- test_densebasic.py
|-- ... (36 more files)
|-- printing/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- aesaracode.cpython-312.pyc
|-- c.cpython-312.pyc
|-- codeprinter.cpython-312.pyc
|-- conventions.cpython-312.pyc
|-- ... (31 more files)
|-- aesaracode.py
|-- c.py
|-- codeprinter.py
|-- conventions.py
|-- ... (34 more files)
|-- pretty/
|-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- pretty.cpython-312.pyc
|-- pretty_symbolology.cpython-312.pyc
|-- stringpict.cpython-312.pyc
|-- pretty.py
|-- pretty_symbolology.py
|-- stringpict.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_pretty.cpython-312.pyc
|-- test_pretty.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_aesaracode.cpython-312.pyc
|-- test_c.cpython-312.pyc
|-- test_codeprinter.cpython-312.pyc
|-- test_conventions.cpython-312.pyc
|-- ... (31 more files)
|-- test_aesaracode.py
|-- test_c.py
|-- test_codeprinter.py
|-- test_conventions.py
|-- ... (32 more files)
|-- release.py
|-- sandbox/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- indexed_integrals.cpython-312.pyc
|-- indexed_integrals.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_indexed_integrals.cpython-312.pyc
|-- test_indexed_integrals.py
|-- series/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- acceleration.cpython-312.pyc
|-- approximants.cpython-312.pyc
|-- aseries.cpython-312.pyc
|-- formal.cpython-312.pyc
|-- ... (10 more files)
|-- acceleration.py
|-- approximants.py
|-- aseries.py

```

```

|-- benchmarks/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- bench_limit.cpython-312.pyc
|       |-- bench_order.cpython-312.pyc
|   |-- bench_limit.py
|   |-- bench_order.py
|-- formal.py
|-- ... (13 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_approximants.cpython-312.pyc
|       |-- test_aseries.cpython-312.pyc
|       |-- test_demidovich.cpython-312.pyc
|       |-- test_formal.cpython-312.pyc
|       |-- ... (11 more files)
|   |-- test_approximants.py
|   |-- test_aseries.py
|   |-- test_demidovich.py
|   |-- test_formal.py
|   |-- ... (12 more files)
|-- sets/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- conditionset.cpython-312.pyc
|       |-- contains.cpython-312.pyc
|       |-- fancysets.cpython-312.pyc
|       |-- ordinals.cpython-312.pyc
|       |-- ... (3 more files)
|-- conditionset.py
|-- contains.py
|-- fancysets.py
|-- handlers/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- add.cpython-312.pyc
|       |-- comparison.cpython-312.pyc
|       |-- functions.cpython-312.pyc
|       |-- intersection.cpython-312.pyc
|       |-- ... (4 more files)
|   |-- add.py
|   |-- comparison.py
|   |-- functions.py
|   |-- intersection.py
|   |-- ... (5 more files)
|-- ordinals.py
|-- ... (6 more files)
|-- tests/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- test_conditionset.cpython-312.pyc
|   |-- test_contains.cpython-312.pyc
|   |-- test_fancysets.cpython-312.pyc
|   |-- test_ordinals.cpython-312.pyc
|   |-- ... (3 more files)
|-- test_conditionset.py
|-- test_contains.py
|-- test_fancysets.py
|-- test_ordinals.py
|-- ... (4 more files)
|-- simplify/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _cse_diff.cpython-312.pyc
|       |-- combsimp.cpython-312.pyc
|       |-- cse_main.cpython-312.pyc
|       |-- cse_opts.cpython-312.pyc
|       |-- ... (12 more files)
|-- _cse_diff.py
|-- combsimp.py
|-- cse_main.py
|-- cse_opts.py
|-- ... (14 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_combsimp.cpython-312.pyc
|       |-- test_cse.cpython-312.pyc
|       |-- test_cse_diff.cpython-312.pyc
|       |-- test_epathtools.cpython-312.pyc
|       |-- ... (11 more files)
|   |-- test_combsimp.py
|   |-- test_cse.py
|   |-- test_cse_diff.py
|   |-- test_epathtools.py
|   |-- ... (12 more files)
|-- solvers/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- bivariate.cpython-312.pyc
|       |-- decompogen.cpython-312.pyc
|       |-- deutils.cpython-312.pyc
|       |-- inequalities.cpython-312.pyc
|       |-- ... (6 more files)
|-- benchmarks/
|   |-- __init__.py
|   |-- __pycache__/

```

```

        |-- __init__.cpython-312.pyc
        |-- bench_solvers.cpython-312.pyc
    |-- bench_solvers.py
|-- bivariate.py
|-- decompogen.py
|-- deutils.py
|-- diophantine/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- diophantine.cpython-312.pyc
    |-- diophantine.py
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_diophantine.cpython-312.pyc
        |-- test_diophantine.py
|-- inequalities.py
|-- ode/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- hypergeometric.cpython-312.pyc
        |-- lie_group.cpython-312.pyc
        |-- nonhomogeneous.cpython-312.pyc
        |-- ode.cpython-312.pyc
        |-- ... (4 more files)
    |-- hypergeometric.py
    |-- lie_group.py
    |-- nonhomogeneous.py
    |-- ode.py
    |-- ... (6 more files)
    |-- tests/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- test_lie_group.cpython-312.pyc
            |-- test_ode.cpython-312.pyc
            |-- test_riccati.cpython-312.pyc
            |-- test_single.cpython-312.pyc
            |-- ... (2 more files)
        |-- test_lie_group.py
        |-- test_ode.py
        |-- test_riccati.py
        |-- test_single.py
        |-- ... (3 more files)
|-- ... (11 more files)
|-- tests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- test_constantsimp.cpython-312.pyc

```



```

|-- test_decompogen.cpython-312.pyc
|-- test_inequalities.cpython-312.pyc
|-- test_numeric.cpython-312.pyc
|-- ... (6 more files)
|-- test_constantsimp.py
|-- test_decompogen.py
|-- test_inequalities.py
|-- test_numeric.py
|-- ... (7 more files)
|-- stats/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- compound_rv.cpython-312.pyc
|-- crv.cpython-312.pyc
|-- crv_types.cpython-312.pyc
|-- drv.cpython-312.pyc
|-- ... (15 more files)
|-- compound_rv.py
|-- crv.py
|-- crv_types.py
|-- drv.py
|-- ... (18 more files)
|-- sampling/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- sample_numpy.cpython-312.pyc
|-- sample_pymc.cpython-312.pyc
|-- sample_scipy.cpython-312.pyc
|-- sample_numpy.py
|-- sample_pymc.py
|-- sample_scipy.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_sample_continuous_rv.cpython-312.pyc
|-- test_sample_discrete_rv.cpython-312.pyc
|-- test_sample_finite_rv.cpython-312.pyc
|-- test_sample_continuous_rv.py
|-- test_sample_discrete_rv.py
|-- test_sample_finite_rv.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_compound_rv.cpython-312.pyc
|-- test_continuous_rv.cpython-312.pyc
|-- test_discrete_rv.cpython-312.pyc
|-- test_error_prop.cpython-312.pyc
|-- ... (9 more files)
|-- test_compound_rv.py

```

```

|-- test_continuous_rv.py
|-- test_discrete_rv.py
|-- test_error_prop.py
|-- ... (10 more files)
|-- strategies/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- core.cpython-312.pyc
|-- rl.cpython-312.pyc
|-- tools.cpython-312.pyc
|-- traverse.cpython-312.pyc
|-- ... (2 more files)
|-- branch/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- core.cpython-312.pyc
|-- tools.cpython-312.pyc
|-- traverse.cpython-312.pyc
|-- core.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_core.cpython-312.pyc
|-- test_tools.cpython-312.pyc
|-- test_traverse.cpython-312.pyc
|-- test_core.py
|-- test_tools.py
|-- test_traverse.py
|-- tools.py
|-- traverse.py
|-- core.py
|-- rl.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_core.cpython-312.pyc
|-- test_rl.cpython-312.pyc
|-- test_tools.cpython-312.pyc
|-- test_traverse.cpython-312.pyc
|-- ... (1 more files)
|-- test_core.py
|-- test_rl.py
|-- test_tools.py
|-- test_traverse.py
|-- ... (2 more files)
|-- tools.py
|-- traverse.py
|-- ... (5 more files)
|-- tensor/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- functions.cpython-312.pyc
|   |-- index_methods.cpython-312.pyc
|   |-- indexed.cpython-312.pyc
|   |-- tensor.cpython-312.pyc
|   |-- ... (1 more files)
|-- array/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- array_comprehension.cpython-312.pyc
|       |-- array_derivatives.cpython-312.pyc
|       |-- arrayop.cpython-312.pyc
|       |-- dense_ndim_array.cpython-312.pyc
|       |-- ... (3 more files)
|   |-- array_comprehension.py
|   |-- array_derivatives.py
|   |-- arrayop.py
|   |-- dense_ndim_array.py
|-- expressions/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- array_expressions.cpython-312.pyc
|       |-- arrayexpr_derivatives.cpython-312.pyc
|       |-- conv_array_to_indexed.cpython-312.pyc
|       |-- conv_array_to_matrix.cpython-312.pyc
|       |-- ... (7 more files)
|   |-- array_expressions.py
|   |-- arrayexpr_derivatives.py
|   |-- conv_array_to_indexed.py
|   |-- conv_array_to_matrix.py
|   |-- ... (9 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_array_expressions.cpython-312.pyc
|       |-- test_arrayexpr_derivatives.cpython-312.pyc
|       |-- test_as_explicit.cpython-312.pyc
|       |-- test_convert_array_to_indexed.cpython-312.pyc
|       |-- ... (4 more files)
|   |-- test_array_expressions.py
|   |-- test_arrayexpr_derivatives.py
|   |-- test_as_explicit.py
|   |-- test_convert_array_to_indexed.py
|   |-- ... (5 more files)
|-- ... (6 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/

```

```

|-- __init__.cpython-312.pyc
|-- test_array_comprehension.cpython-312.pyc
|-- test_array_derivatives.cpython-312.pyc
|-- test_arrayop.cpython-312.pyc
|-- test_immutable_ndim_array.cpython-312.pyc
|-- ... (3 more files)
|-- test_array_comprehension.py
|-- test_array_derivatives.py
|-- test_arrayop.py
|-- test_immutable_ndim_array.py
|-- ... (4 more files)
|-- functions.py
|-- index_methods.py
|-- indexed.py
|-- tensor.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_functions.cpython-312.pyc
|-- test_index_methods.cpython-312.pyc
|-- test_indexed.cpython-312.pyc
|-- test_printing.cpython-312.pyc
|-- ... (3 more files)
|-- test_functions.py
|-- test_index_methods.py
|-- test_indexed.py
|-- test_printing.py
|-- ... (4 more files)
|-- ... (4 more files)
|-- testing/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- matrices.cpython-312.pyc
|-- pytest.cpython-312.pyc
|-- quality_unicode.cpython-312.pyc
|-- randtest.cpython-312.pyc
|-- ... (3 more files)
|-- matrices.py
|-- pytest.py
|-- quality_unicode.py
|-- randtest.py
|-- ... (5 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- diagnose_imports.cpython-312.pyc
|-- test_code_quality.cpython-312.pyc
|-- test_deprecated.cpython-312.pyc
|-- test_module_imports.cpython-312.pyc
|-- ... (2 more files)

```

```

|-- diagnose_imports.py
|-- test_code_quality.py
|-- test_deprecated.py
|-- test_module_imports.py
|-- ... (3 more files)
|-- ... (42 more files)
|-- unify/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- core.cpython-312.pyc
|-- rewrite.cpython-312.pyc
|-- usympy.cpython-312.pyc
|-- core.py
|-- rewrite.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_rewrite.cpython-312.pyc
|-- test_sympy.cpython-312.pyc
|-- test_unify.cpython-312.pyc
|-- test_rewrite.py
|-- test_sympy.py
|-- test_unify.py
|-- usympy.py
|-- utilities/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- autowrap.cpython-312.pyc
|-- codegen.cpython-312.pyc
|-- decorator.cpython-312.pyc
|-- enumerative.cpython-312.pyc
|-- ... (14 more files)
|-- _compilation/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- availability.cpython-312.pyc
|-- compilation.cpython-312.pyc
|-- runners.cpython-312.pyc
|-- util.cpython-312.pyc
|-- availability.py
|-- compilation.py
|-- runners.py
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_compilation.cpython-312.pyc
|-- test_compilation.py
|-- util.py

```

```

|-- autowrap.py
|-- codegen.py
|-- decorator.py
|-- enumerative.py
|-- ... (18 more files)
|-- mathml/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|   |-- data/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|       |-- mmlctop.xsl
|       |-- mmltex.xsl
|       |-- simple_mmlctop.xsl
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_autowrap.cpython-312.pyc
|       |-- test_codegen.cpython-312.pyc
|       |-- test_codegen_julia.cpython-312.pyc
|       |-- test_codegen_octave.cpython-312.pyc
|       |-- ... (15 more files)
|   |-- test_autowrap.py
|   |-- test_codegen.py
|   |-- test_codegen_julia.py
|   |-- test_codegen_octave.py
|   |-- ... (16 more files)
|-- vector/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- basisdependent.cpython-312.pyc
|       |-- coordsysrect.cpython-312.pyc
|       |-- deloperator.cpython-312.pyc
|       |-- dyadic.cpython-312.pyc
|       |-- ... (10 more files)
|-- basisdependent.py
|-- coordsysrect.py
|-- deloperator.py
|-- dyadic.py
|-- ... (12 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_coordsysrect.cpython-312.pyc
|       |-- test_dyadic.cpython-312.pyc
|       |-- test_field_functions.cpython-312.pyc
|       |-- test_functions.cpython-312.pyc
|       |-- ... (6 more files)

```

```

|-- test_coordsysrect.py
|-- test_dyadic.py
|-- test_field_functions.py
|-- test_functions.py
|-- ... (7 more files)
|-- sympy-1.14.0.dist-info/
|-- INSTALLER
|-- METADATA
|-- RECORD
|-- WHEEL
|-- entry_points.txt
|-- licenses/
|-- AUTHORS
|-- LICENSE
|-- ... (2 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conftest.cpython-312.pyc
|-- test_cli.cpython-312.pyc
|-- test_cuda.cpython-312.pyc
|-- test_engine.cpython-312.pyc
|-- ... (4 more files)
|-- conftest.py
|-- models/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_instance_segmentation.cpython-312.pyc
|-- test_object_detection.cpython-312.pyc
|-- test_semantic_segmentation.cpython-312.pyc
|-- test_instance_segmentation.py
|-- test_object_detection.py
|-- test_semantic_segmentation.py
|-- test_cli.py
|-- test_cuda.py
|-- test_engine.py
|-- ... (7 more files)
|-- util/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_folderparser.cpython-312.pyc
|-- test_image_utils.cpython-312.pyc
|-- test_versions.cpython-312.pyc
|-- dummy_module/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_folderparser.py
|-- test_image_utils.py
|-- test_versions.py

```

```

|-- thop/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- fx_profile.cpython-312.pyc
|-- profile.cpython-312.pyc
|-- rnn_hooks.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- fx_profile.py
|-- profile.py
|-- rnn_hooks.py
|-- utils.py
|-- vision/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- basic_hooks.cpython-312.pyc
|-- calc_func.cpython-312.pyc
|-- basic_hooks.py
|-- calc_func.py
|-- torch/
|-- _C/
|-- _VariableFunctions.pyi
|-- __init__.pyi
|-- _aoti.pyi
|-- _autograd.pyi
|-- _cpu.pyi
|-- ... (19 more files)
|-- _C.cp312-win_amd64.pyd
|-- _VF.py
|-- _VF.pyi
|-- __config__.py
|-- __future__.py
|-- ... (104 more files)
|-- __pycache__/
|-- _VF.cpython-312.pyc
|-- __config__.cpython-312.pyc
|-- __future__.cpython-312.pyc
|-- __init__.cpython-312.pyc
|-- _appdirs.cpython-312.pyc
|-- ... (39 more files)
|-- _awaits/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _custom_op/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- autograd.cpython-312.pyc
|-- impl.cpython-312.pyc
|-- autograd.py
|-- impl.py

```



```

|-- _decomp/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- decompositions.cpython-312.pyc
|       |-- decompositions_for_jvp.cpython-312.pyc
|       |-- decompositions_for_rng.cpython-312.pyc
|   |-- decompositions.py
|   |-- decompositions_for_jvp.py
|   |-- decompositions_for_rng.py
|-- _dispatch/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- python.cpython-312.pyc
|   |-- python.py
|-- _dynamo/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _trace_wrapped_higher_order_op.cpython-312.pyc
|       |-- bytecode_analysis.cpython-312.pyc
|       |-- bytecode_transformation.cpython-312.pyc
|       |-- cache_size.cpython-312.pyc
|       |-- ... (40 more files)
|   |-- _trace_wrapped_higher_order_op.py
|-- backends/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- common.cpython-312.pyc
|       |-- cudagraphs.cpython-312.pyc
|       |-- debugging.cpython-312.pyc
|       |-- distributed.cpython-312.pyc
|       |-- ... (6 more files)
|   |-- common.py
|   |-- cudagraphs.py
|   |-- debugging.py
|   |-- distributed.py
|   |-- ... (7 more files)
|-- bytecode_analysis.py
|-- bytecode_transformation.py
|-- cache_size.py
|-- ... (45 more files)
|-- polyfills/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- builtins.cpython-312.pyc
|       |-- functools.cpython-312.pyc
|       |-- fx.cpython-312.pyc
|       |-- itertools.cpython-312.pyc
|       |-- ... (5 more files)

```

```

|-- builtins.py
|-- functools.py
|-- fx.py
|-- itertools.py
|-- ... (6 more files)
|-- repro/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- after_aot.cpython-312.pyc
|-- after_dynamo.cpython-312.pyc
|-- aoti.cpython-312.pyc
|-- after_aot.py
|-- after_dynamo.py
|-- aoti.py
|-- variables/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- base.cpython-312.pyc
|-- builder.cpython-312.pyc
|-- builtin.cpython-312.pyc
|-- constant.cpython-312.pyc
|-- ... (17 more files)
|-- base.py
|-- builder.py
|-- builtin.py
|-- constant.py
|-- ... (18 more files)
|-- _export/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- converter.cpython-312.pyc
|-- error.cpython-312.pyc
|-- non_strict_utils.cpython-312.pyc
|-- pass_base.cpython-312.pyc
|-- ... (4 more files)
|-- converter.py
|-- db/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- case.cpython-312.pyc
|-- gen_example.cpython-312.pyc
|-- logging.cpython-312.pyc
|-- case.py
|-- examples/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- assume_constant_result.cpython-312.pyc
|-- autograd_function.cpython-312.pyc

```

```

        |-- class_method.cpython-312.pyc
        |-- cond_branch_class_method.cpython-312.pyc
        |-- ... (32 more files)
    |-- assume_constant_result.py
    |-- autograd_function.py
    |-- class_method.py
    |-- cond_branch_class_method.py
    |-- ... (33 more files)
|-- gen_example.py
|-- logging.py
|-- error.py
|-- non_strict_utils.py
|-- pass_base.py
|-- pass_infra/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- node_metadata.cpython-312.pyc
        |-- proxy_value.cpython-312.pyc
    |-- node_metadata.py
    |-- proxy_value.py
|-- passes/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _node_metadata_hook.cpython-312.pyc
        |-- add_runtime_assertions_for_constraints_pass.cpython-312.pyc
        |-- collect_tracepoints_pass.cpython-312.pyc
        |-- constant_folding.cpython-312.pyc
        |-- ... (9 more files)
    |-- _node_metadata_hook.py
    |-- add_runtime_assertions_for_constraints_pass.py
    |-- collect_tracepoints_pass.py
    |-- constant_folding.py
    |-- ... (10 more files)
|-- serde/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- aoti_schema.cpython-312.pyc
        |-- dynamic_shapes.cpython-312.pyc
        |-- schema.cpython-312.pyc
        |-- schema_check.cpython-312.pyc
        |-- ... (2 more files)
    |-- aoti_schema.py
    |-- dynamic_shapes.py
    |-- export_schema.thrift
    |-- schema.py
    |-- ... (5 more files)
|-- ... (9 more files)
|-- _functorch/
    |-- __init__.py
    |-- __pycache__/

```

```

|-- __init__.cpython-312.pyc
|-- aot_autograd.cpython-312.pyc
|-- apis.cpython-312.pyc
|-- autograd_function.cpython-312.pyc
|-- batch_norm_replacement.cpython-312.pyc
|-- ... (16 more files)
|-- _activation_checkpointing/
|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- ac_logging_utils.cpython-312.pyc
|   |-- graph_info_provider.cpython-312.pyc
|   |-- knapsack.cpython-312.pyc
|   |-- knapsack_evaluator.cpython-312.pyc
|-- ac_logging_utils.py
|-- graph_info_provider.py
|-- knapsack.py
|-- knapsack_evaluator.py
|-- _aot_autograd/
|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- autograd_cache.cpython-312.pyc
|   |-- collect_metadata_analysis.cpython-312.pyc
|   |-- dispatch_and_compile_graph.cpython-312.pyc
|   |-- functional_utils.cpython-312.pyc
|   |-- ... (9 more files)
|-- autograd_cache.py
|-- collect_metadata_analysis.py
|-- dispatch_and_compile_graph.py
|-- functional_utils.py
|-- ... (10 more files)
|-- aot_autograd.py
|-- apis.py
|-- autograd_function.py
|-- batch_norm_replacement.py
|-- ... (19 more files)
|-- _higher_order_ops/
|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _invoke_quant.cpython-312.pyc
|   |-- aoti_call_delegate.cpython-312.pyc
|   |-- associative_scan.cpython-312.pyc
|   |-- auto_functionalize.cpython-312.pyc
|   |-- ... (19 more files)
|-- _invoke_quant.py
|-- aoti_call_delegate.py
|-- associative_scan.py
|-- auto_functionalize.py
|-- ... (20 more files)
|-- _inductor/
|-- __init__.py

```

```

|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- analyze_preserves_zero_mask.cpython-312.pyc
|   |-- aoti_eager.cpython-312.pyc
|   |-- async_compile.cpython-312.pyc
|   |-- autotune_process.cpython-312.pyc
|   |-- ... (56 more files)
|-- analyze_preserves_zero_mask.py
|-- aoti_eager.py
|-- async_compile.py
|-- autoheuristic/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- autoheuristic.cpython-312.pyc
|       |-- autoheuristic_utils.cpython-312.pyc
|       |-- learned_heuristic_controller.cpython-312.pyc
|       |-- learnedheuristic_interface.cpython-312.pyc
|-- artifacts/
|   |-- _MMRankingA100.py
|   |-- _MMRankingH100.py
|   |-- _MixedMMA100.py
|   |-- _MixedMMH100.py
|   |-- _PadMMA100.py
|   |-- ... (2 more files)
|   |-- __pycache__/
|       |-- _MMRankingA100.cpython-312.pyc
|       |-- _MMRankingH100.cpython-312.pyc
|       |-- _MixedMMA100.cpython-312.pyc
|       |-- _MixedMMH100.cpython-312.pyc
|       |-- _PadMMA100.cpython-312.pyc
|       |-- ... (1 more files)
|-- autoheuristic.py
|-- autoheuristic_utils.py
|-- learned_heuristic_controller.py
|-- learnedheuristic_interface.py
|-- autotune_process.py
|-- ... (65 more files)
|-- codegen/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- aoti_hipify_utils.cpython-312.pyc
|       |-- block_analysis.cpython-312.pyc
|       |-- common.cpython-312.pyc
|       |-- cpp.cpython-312.pyc
|       |-- ... (26 more files)
|-- aoti_hipify_utils.py
|-- aoti_runtime/
|   |-- interface.cpp
|-- block_analysis.py
|-- common.py
|-- cpp.py

```

```

|-- ... (32 more files)
|-- cuda/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- cuda_cpp_scheduling.cpython-312.pyc
|       |-- cuda_env.cpython-312.pyc
|       |-- cuda_kernel.cpython-312.pyc
|       |-- cuda_template.cpython-312.pyc
|       |-- ... (3 more files)
|   |-- cuda_cpp_scheduling.py
|   |-- cuda_env.py
|   |-- cuda_kernel.py
|   |-- cuda_template.py
|   |-- cutlass_lib_extensions/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- gemm_operation_extensions.cpython-312.pyc
|       |-- gemm_operation_extensions.py
|   |-- ... (5 more files)
|-- rocm/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- ck_conv_template.cpython-312.pyc
|       |-- ck_template.cpython-312.pyc
|       |-- ck_universal_gemm_template.cpython-312.pyc
|       |-- compile_command.cpython-312.pyc
|       |-- ... (5 more files)
|   |-- ck_conv_template.py
|   |-- ck_template.py
|   |-- ck_universal_gemm_template.py
|   |-- compile_command.py
|   |-- ... (6 more files)
|-- xpu/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- device_op_overrides.cpython-312.pyc
|   |-- device_op_overrides.py
|-- compile_worker/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- subprocess_pool.cpython-312.pyc
|       |-- watchdog.cpython-312.pyc
|   |-- subprocess_pool.py
|   |-- watchdog.py
|-- fx_passes/
|   |-- __init__.py

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```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- b2b_gemm.cpython-312.pyc
|-- binary_folding.cpython-312.pyc
|-- ddp_fusion.cpython-312.pyc
|-- decompose_mem_bound_mm.cpython-312.pyc
|-- ... (17 more files)
|-- b2b_gemm.py
|-- binary_folding.py
|-- ddp_fusion.py
|-- decompose_mem_bound_mm.py
|-- ... (19 more files)
|-- serialized_patterns/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _sfdp_pattern_1.cpython-312.pyc
|-- _sfdp_pattern_10.cpython-312.pyc
|-- _sfdp_pattern_11.cpython-312.pyc
|-- _sfdp_pattern_12.cpython-312.pyc
|-- ... (18 more files)
|-- _sfdp_pattern_1.py
|-- _sfdp_pattern_10.py
|-- _sfdp_pattern_11.py
|-- _sfdp_pattern_12.py
|-- ... (19 more files)
|-- kernel/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bmm.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- flex_attention.cpython-312.pyc
|-- flex_decoding.cpython-312.pyc
|-- ... (4 more files)
|-- bmm.py
|-- conv.py
|-- flex_attention.py
|-- flex_decoding.py
|-- ... (5 more files)
|-- package/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- build_package.cpython-312.pyc
|-- package.cpython-312.pyc
|-- pt2_archive_constants.cpython-312.pyc
|-- build_package.py
|-- package.py
|-- pt2_archive_constants.py
|-- runtime/
|-- __init__.py
|-- __pycache__/

```

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|-- __init__.cpython-312.pyc
|-- autotune_cache.cpython-312.pyc
|-- benchmarking.cpython-312.pyc
|-- cache_dir_utils.cpython-312.pyc
|-- compile_tasks.cpython-312.pyc
|-- ... (7 more files)
|-- autotune_cache.py
|-- benchmarking.py
|-- cache_dir_utils.py
|-- compile_tasks.py
|-- ... (8 more files)
|-- _lazy/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- closure.cpython-312.pyc
|-- computation.cpython-312.pyc
|-- config.cpython-312.pyc
|-- debug.cpython-312.pyc
|-- ... (6 more files)
|-- closure.py
|-- computation.py
|-- config.py
|-- debug.py
|-- ... (7 more files)
|-- _library/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- autograd.cpython-312.pyc
|-- custom_ops.cpython-312.pyc
|-- fake_class_registry.cpython-312.pyc
|-- fake_impl.cpython-312.pyc
|-- ... (4 more files)
|-- autograd.py
|-- custom_ops.py
|-- fake_class_registry.py
|-- fake_impl.py
|-- ... (5 more files)
|-- _logging/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _internal.cpython-312.pyc
|-- _registrations.cpython-312.pyc
|-- scribe.cpython-312.pyc
|-- structured.cpython-312.pyc
|-- _internal.py
|-- _registrations.py
|-- scribe.py
|-- structured.py
|-- _numpy/
|-- __init__.py

```



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|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- _binary_ufuncs_impl.cpython-312.pyc
|   |-- _casting_dicts.cpython-312.pyc
|   |-- _dtypes.cpython-312.pyc
|   |-- _dtypes_impl.cpython-312.pyc
|   |-- ... (12 more files)
|-- _binary_ufuncs_impl.py
|-- _casting_dicts.py
|-- _dtypes.py
|-- _dtypes_impl.py
|-- ... (14 more files)
|-- testing/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- utils.cpython-312.pyc
|   |-- utils.py
|-- _prims/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- context.cpython-312.pyc
|       |-- debug_prims.cpython-312.pyc
|       |-- executor.cpython-312.pyc
|       |-- rng_prims.cpython-312.pyc
|   |-- context.py
|   |-- debug_prims.py
|   |-- executor.py
|   |-- rng_prims.py
|-- _prims_common/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- wrappers.cpython-312.pyc
|   |-- wrappers.py
|-- _refs/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _conversions.cpython-312.pyc
|       |-- fft.cpython-312.pyc
|   |-- _conversions.py
|   |-- fft.py
|   |-- linalg/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|-- nn/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- functional/

```

```

        |-- __init__.py
        |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- special/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- _strobelight/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- cli_function_profiler.cpython-312.pyc
    |-- compile_time_profiler.cpython-312.pyc
    |-- cli_function_profiler.py
    |-- compile_time_profiler.py
|-- _subclasses/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- _fake_tensor_utils.cpython-312.pyc
    |-- fake_impls.cpython-312.pyc
    |-- fake_tensor.cpython-312.pyc
    |-- fake_utils.cpython-312.pyc
    |-- ... (3 more files)
    |-- _fake_tensor_utils.py
    |-- fake_impls.py
    |-- fake_tensor.py
    |-- fake_utils.py
    |-- ... (4 more files)
|-- _vendor/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- packaging/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- _structures.cpython-312.pyc
    |-- version.cpython-312.pyc
    |-- _structures.py
    |-- version.py
|-- accelerator/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- _utils.cpython-312.pyc
    |-- _utils.py
|-- amp/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- autocast_mode.cpython-312.pyc
    |-- grad_scaler.cpython-312.pyc

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|-- autocast_mode.py
|-- grad_scaler.py
|-- ao/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- nn/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- intrinsic/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- fused.cpython-312.pyc
|-- fused.py
|-- qat/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conv_fused.cpython-312.pyc
|-- linear_fused.cpython-312.pyc
|-- linear_relu.cpython-312.pyc
|-- conv_fused.py
|-- linear_fused.py
|-- linear_relu.py
|-- quantized/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- dynamic/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- linear_relu.cpython-312.pyc
|-- linear_relu.py
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- bn_relu.cpython-312.pyc

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```

|-- conv_add.cpython-312.pyc
|-- conv_relu.cpython-312.pyc
|-- linear_relu.cpython-312.pyc
|-- bn_relu.py
|-- conv_add.py
|-- conv_relu.py
|-- linear_relu.py
|-- gat/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- dynamic/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- linear.py
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- embedding_ops.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- conv.py
|-- embedding_ops.py
|-- linear.py
|-- quantizable/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- activation.cpython-312.pyc
|-- rnn.cpython-312.pyc
|-- activation.py
|-- rnn.py
|-- quantized/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- functional.cpython-312.pyc
|-- dynamic/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/

```

```

|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- rnn.cpython-312.pyc
|-- conv.py
|-- linear.py
|-- rnn.py
|-- functional.py
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- activation.cpython-312.pyc
|-- batchnorm.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- dropout.cpython-312.pyc
|-- ... (6 more files)
|-- activation.py
|-- batchnorm.py
|-- conv.py
|-- dropout.py
|-- ... (7 more files)
|-- reference/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- rnn.cpython-312.pyc
|-- sparse.cpython-312.pyc
|-- ... (1 more files)
|-- conv.py
|-- linear.py
|-- rnn.py
|-- sparse.py
|-- ... (2 more files)
|-- sparse/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- quantized/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- dynamic/

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```

        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- linear.cpython-312.pyc
        |-- linear.py
    |-- linear.py
    |-- utils.py
|-- ns/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _numeric_suite.cpython-312.pyc
        |-- _numeric_suite_fx.cpython-312.pyc
    |-- _numeric_suite.py
    |-- _numeric_suite_fx.py
    |-- fx/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- graph_matcher.cpython-312.pyc
            |-- graph_passes.cpython-312.pyc
            |-- mappings.cpython-312.pyc
            |-- n_shadows_utils.cpython-312.pyc
            |-- ... (5 more files)
        |-- graph_matcher.py
        |-- graph_passes.py
        |-- mappings.py
        |-- n_shadows_utils.py
        |-- ... (6 more files)
|-- pruning/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _mappings.cpython-312.pyc
    |-- _experimental/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
        |-- activation_sparsifier/
            |-- __init__.py
            |-- __pycache__/
                |-- __init__.cpython-312.pyc
                |-- activation_sparsifier.cpython-312.pyc
            |-- activation_sparsifier.py
        |-- data_scheduler/
            |-- __init__.py
            |-- __pycache__/
                |-- __init__.cpython-312.pyc
                |-- base_data_scheduler.cpython-312.pyc
            |-- base_data_scheduler.py
        |-- data_sparsifier/
            |-- __init__.py
            |-- __pycache__/

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|-- __init__.cpython-312.pyc
|-- base_data_sparsifier.cpython-312.pyc
|-- data_norm_sparsifier.cpython-312.pyc
|-- quantization_utils.cpython-312.pyc
|-- base_data_sparsifier.py
|-- data_norm_sparsifier.py
|-- lightning/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- callbacks/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _data_sparstity_utils.cpython-312.pyc
|-- data_sparsity.cpython-312.pyc
|-- _data_sparstity_utils.py
|-- data_sparsity.py
|-- quantization_utils.py
|-- pruner/
|-- FPGM_pruner.py
|-- __init__.py
|-- __pycache__/
|-- FPGM_pruner.cpython-312.pyc
|-- __init__.cpython-312.pyc
|-- base_structured_sparsifier.cpython-312.pyc
|-- lstm_saliency_pruner.cpython-312.pyc
|-- match_utils.cpython-312.pyc
|-- ... (3 more files)
|-- base_structured_sparsifier.py
|-- lstm_saliency_pruner.py
|-- match_utils.py
|-- ... (4 more files)
|-- _mappings.py
|-- scheduler/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- base_scheduler.cpython-312.pyc
|-- cubic_scheduler.cpython-312.pyc
|-- lambda_scheduler.cpython-312.pyc
|-- base_scheduler.py
|-- cubic_scheduler.py
|-- lambda_scheduler.py
|-- sparsifier/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- base_sparsifier.cpython-312.pyc
|-- nearly_diagonal_sparsifier.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- weight_norm_sparsifier.cpython-312.pyc
|-- base_sparsifier.py

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|-- nearly_diagonal_sparsifier.py
|-- utils.py
|-- weight_norm_sparsifier.py
|-- quantization/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _correct_bias.cpython-312.pyc
|-- _equalize.cpython-312.pyc
|-- _learnable_fake_quantize.cpython-312.pyc
|-- fake_quantize.cpython-312.pyc
|-- ... (13 more files)
|-- _correct_bias.py
|-- _equalize.py
|-- _learnable_fake_quantize.py
|-- backend_config/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _common_operator_config_utils.cpython-312.pyc
|-- _qnnpack_pt2e.cpython-312.pyc
|-- backend_config.cpython-312.pyc
|-- executorch.cpython-312.pyc
|-- ... (8 more files)
|-- _common_operator_config_utils.py
|-- _qnnpack_pt2e.py
|-- backend_config.py
|-- executorch.py
|-- ... (9 more files)
|-- fake_quantize.py
|-- ... (18 more files)
|-- fx/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _decomposed.cpython-312.pyc
|-- _equalize.cpython-312.pyc
|-- _lower_to_native_backend.cpython-312.pyc
|-- convert.cpython-312.pyc
|-- ... (14 more files)
|-- _decomposed.py
|-- _equalize.py
|-- _lower_to_native_backend.py
|-- _model_report/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- detector.cpython-312.pyc
|-- model_report.cpython-312.pyc
|-- model_report_observer.cpython-312.pyc
|-- model_report_visualizer.cpython-312.pyc
|-- detector.py
|-- model_report.py

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|-- model_report_observer.py
|-- model_report_visualizer.py
|-- convert.py
|-- ... (16 more files)
|-- pt2e/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _affine_quantization.cpython-312.pyc
|-- _numeric_debugger.cpython-312.pyc
|-- duplicate_dq_pass.cpython-312.pyc
|-- export_utils.cpython-312.pyc
|-- ... (5 more files)
|-- _affine_quantization.py
|-- _numeric_debugger.py
|-- duplicate_dq_pass.py
|-- export_utils.py
|-- ... (7 more files)
|-- representation/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- rewrite.cpython-312.pyc
|-- rewrite.py
|-- quantizer/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- composable_quantizer.cpython-312.pyc
|-- embedding_quantizer.cpython-312.pyc
|-- quantizer.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- ... (4 more files)
|-- composable_quantizer.py
|-- embedding_quantizer.py
|-- quantizer.py
|-- utils.py
|-- ... (5 more files)
|-- autograd/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- anomaly_mode.cpython-312.pyc
|-- forward_ad.cpython-312.pyc
|-- function.cpython-312.pyc
|-- functional.cpython-312.pyc
|-- ... (7 more files)
|-- _functions/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- tensor.cpython-312.pyc
|-- utils.cpython-312.pyc

```

```
    |-- tensor.py
    |-- utils.py
|-- anomaly_mode.py
|-- forward_ad.py
|-- function.py
|-- functional.py
|-- ... (9 more files)
|-- backends/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- _coreml/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- preprocess.cpython-312.pyc
        |-- preprocess.py
    |-- _nnapi/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- prepare.cpython-312.pyc
            |-- serializer.cpython-312.pyc
        |-- prepare.py
        |-- serializer.py
    |-- cpu/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
    |-- cuda/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
    |-- cudnn/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- rnn.cpython-312.pyc
        |-- rnn.py
    |-- cusparselt/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
    |-- kleidiai/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
    |-- mha/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
    |-- mkl/
        |-- __init__.py
```

```
|-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- mkldnn/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- mps/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- npack/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- openmp/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- opt_einsum/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- quantized/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- xeon/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- run_cpu.cpython-312.pyc
    |-- run_cpu.py
|-- xnnpack/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- bin/
    |-- asmjit.dll
    |-- fbgemm.dll
    |-- protoc.exe
|-- compiler/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- _cache.cpython-312.pyc
    |-- config.cpython-312.pyc
    |-- _cache.py
    |-- config.py
|-- contrib/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- _tensorboard_vis.cpython-312.pyc
```

```

|-- _tensorboard_vis.py
|-- cpu/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|-- amp/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     autocast_mode.cpython-312.pyc
|--     grad_scaler.cpython-312.pyc
|--   autocast_mode.py
|--   grad_scaler.py
|-- cuda/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _gpu_trace.cpython-312.pyc
|--     _memory_viz.cpython-312.pyc
|--     _sanitizer.cpython-312.pyc
|--     _utils.cpython-312.pyc
|--     ... (13 more files)
|--   _gpu_trace.py
|--   _memory_viz.py
|--   _sanitizer.py
|--   _utils.py
|--   amp/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       autocast_mode.cpython-312.pyc
|--       common.cpython-312.pyc
|--       grad_scaler.cpython-312.pyc
|--     autocast_mode.py
|--     common.py
|--     grad_scaler.py
|--   ... (15 more files)
|-- distributed/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _checkpointable.cpython-312.pyc
|--     _composable_state.cpython-312.pyc
|--     _functional_collectives.cpython-312.pyc
|--     _functional_collectives_impl.cpython-312.pyc
|--     ... (14 more files)
|--   _checkpointable.py
|--   _composable/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       checkpoint_activation.cpython-312.pyc
|--       contract.cpython-312.pyc

```

```

|-- replicate.cpython-312.pyc
|-- checkpoint_activation.py
|-- contract.py
|-- fsdp/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- fully_shard.cpython-312.pyc
|-- fully_shard.py
|-- replicate.py
|-- _composable_state.py
|-- _functional_collectives.py
|-- _functional_collectives_impl.py
|-- ... (33 more files)
|-- _shard/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- api.cpython-312.pyc
|-- common_op_utils.cpython-312.pyc
|-- metadata.cpython-312.pyc
|-- ... (2 more files)
|-- _utils.py
|-- api.py
|-- checkpoint/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common_op_utils.py
|-- metadata.py
|-- ... (8 more files)
|-- sharded_optim/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- api.py
|-- sharded_tensor/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- logger.cpython-312.pyc
|-- logging_handlers.cpython-312.pyc
|-- metadata.cpython-312.pyc
|-- ... (3 more files)
|-- _ops/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _common.cpython-312.pyc
|-- binary_cmp.cpython-312.pyc

```

```

        |-- init.cpython-312.pyc
        |-- misc_ops.cpython-312.pyc
        |-- ... (1 more files)
    |-- _common.py
    |-- binary_cmp.py
    |-- init.py
    |-- misc_ops.py
    |-- ... (2 more files)
|-- api.py
|-- logger.py
|-- logging_handlers.py
|-- metadata.py
|-- ... (5 more files)
|-- sharding_plan/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- api.cpython-312.pyc
    |-- api.py
|-- sharding_spec/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _internals.cpython-312.pyc
        |-- api.cpython-312.pyc
        |-- chunk_sharding_spec.cpython-312.pyc
    |-- _internals.py
    |-- api.py
    |-- chunk_sharding_spec.py
    |-- chunk_sharding_spec_ops/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- _common.cpython-312.pyc
            |-- embedding.cpython-312.pyc
            |-- embedding_bag.cpython-312.pyc
        |-- _common.py
        |-- embedding.py
        |-- embedding_bag.py
|-- _sharded_tensor/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- _sharding_spec/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- _symmetric_memory/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- _tensor/
    |-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- placement_types.cpython-312.pyc
|-- api.py
|-- placement_types.py
|-- _tools/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common_utils.cpython-312.pyc
|-- fake_collectives.cpython-312.pyc
|-- fsdp2_mem_tracker.cpython-312.pyc
|-- ilp_utils.cpython-312.pyc
|-- ... (6 more files)
|-- common_utils.py
|-- fake_collectives.py
|-- fsdp2_mem_tracker.py
|-- ilp_utils.py
|-- ... (7 more files)
|-- algorithms/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- join.cpython-312.pyc
|-- _checkpoint/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- checkpoint_wrapper.cpython-312.pyc
|-- checkpoint_wrapper.py
|-- _comm_hooks/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- default_hooks.cpython-312.pyc
|-- default_hooks.py
|-- _optimizer_overlap/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- optimizer_overlap.cpython-312.pyc
|-- optimizer_overlap.py
|-- _quantization/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- quantization.cpython-312.pyc
|-- quantization.py
|-- ddp_comm_hooks/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```

```

|-- ddp_zero_hook.cpython-312.pyc
|-- debugging_hooks.cpython-312.pyc
|-- default_hooks.cpython-312.pyc
|-- mixed_precision_hooks.cpython-312.pyc
|-- ... (4 more files)
|-- ddp_zero_hook.py
|-- debugging_hooks.py
|-- default_hooks.py
|-- mixed_precision_hooks.py
|-- ... (5 more files)
|-- join.py
|-- model_averaging/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- averagers.cpython-312.pyc
|-- hierarchical_model_averager.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- averagers.py
|-- hierarchical_model_averager.py
|-- utils.py
|-- autograd/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- checkpoint/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _async_executor.cpython-312.pyc
|-- _async_process_executor.cpython-312.pyc
|-- _async_thread_executor.cpython-312.pyc
|-- _checkpointinter.cpython-312.pyc
|-- ... (28 more files)
|-- _async_executor.py
|-- _async_process_executor.py
|-- _async_thread_executor.py
|-- _checkpointinter.py
|-- ... (29 more files)
|-- elastic/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- control_plane.cpython-312.pyc
|-- agent/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- server/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc

```



```

|-- health_check_server.cpython-312.pyc
|-- local_elastic_agent.cpython-312.pyc
|-- api.py
|-- health_check_server.py
|-- local_elastic_agent.py
|-- control_plane.py
|-- events/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- handlers.cpython-312.pyc
|-- api.py
|-- handlers.py
|-- metrics/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- api.py
|-- multiprocessing/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- api.cpython-312.pyc
|-- redirects.cpython-312.pyc
|-- tail_log.cpython-312.pyc
|-- api.py
|-- errors/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- error_handler.cpython-312.pyc
|-- handlers.cpython-312.pyc
|-- error_handler.py
|-- handlers.py
|-- redirects.py
|-- subprocess_handler/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- handlers.cpython-312.pyc
|-- subprocess_handler.cpython-312.pyc
|-- handlers.py
|-- subprocess_handler.py
|-- tail_log.py
|-- rendezvous/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _etcd_stub.cpython-312.pyc
|-- api.cpython-312.pyc
|-- c10d_rendezvous_backend.cpython-312.pyc

```

```

        |-- dynamic_rendezvous.cpython-312.pyc
        |-- ... (7 more files)
    |-- _etcd_stub.py
    |-- api.py
    |-- c10d_rendezvous_backend.py
    |-- dynamic_rendezvous.py
    |-- ... (8 more files)
|-- timer/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- api.cpython-312.pyc
        |-- debug_info_logging.cpython-312.pyc
        |-- file_based_local_timer.cpython-312.pyc
        |-- local_timer.cpython-312.pyc
    |-- api.py
    |-- debug_info_logging.py
    |-- file_based_local_timer.py
    |-- local_timer.py
|-- utils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- api.cpython-312.pyc
        |-- distributed.cpython-312.pyc
        |-- log_level.cpython-312.pyc
        |-- logging.cpython-312.pyc
        |-- ... (1 more files)
    |-- api.py
    |-- data/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- cycling_iterator.cpython-312.pyc
            |-- elastic_distributed_sampler.cpython-312.pyc
        |-- cycling_iterator.py
        |-- elastic_distributed_sampler.py
    |-- distributed.py
    |-- log_level.py
    |-- logging.py
    |-- ... (3 more files)
|-- fsdp/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _common_utils.cpython-312.pyc
        |-- _debug_utils.cpython-312.pyc
        |-- _dynamo_utils.cpython-312.pyc
        |-- _exec_order_utils.cpython-312.pyc
        |-- ... (16 more files)
    |-- _common_utils.py
    |-- _debug_utils.py
    |-- _dynamo_utils.py

```

```

|-- _exec_order_utils.py
|-- ... (18 more files)
|-- _fully_shard/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _fsdp_api.cpython-312.pyc
|       |-- _fsdp_collectives.cpython-312.pyc
|       |-- _fsdp_common.cpython-312.pyc
|       |-- _fsdp_init.cpython-312.pyc
|       |-- ... (4 more files)
|   |-- _fsdp_api.py
|   |-- _fsdp_collectives.py
|   |-- _fsdp_common.py
|   |-- _fsdp_init.py
|   |-- ... (5 more files)
|-- launcher/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- api.cpython-312.pyc
|   |-- api.py
|-- nn/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- functional.cpython-312.pyc
|   |-- api/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- remote_module.cpython-312.pyc
|       |-- remote_module.py
|   |-- functional.py
|-- jit/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- instantiator.cpython-312.pyc
|   |-- instantiator.py
|   |-- templates/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- remote_module_template.cpython-312.pyc
|       |-- remote_module_template.py
|-- optim/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _deprecation_warning.cpython-312.pyc
|       |-- apply_optimizer_in_backward.cpython-312.pyc
|       |-- functional_adadelta.cpython-312.pyc

```

```

        |-- functional_adagrad.cpython-312.pyc
        |-- ... (11 more files)
    |-- _deprecation_warning.py
    |-- apply_optimizer_in_backward.py
    |-- functional_adadelata.py
    |-- functional_adagrad.py
    |-- ... (13 more files)
|-- pipelining/
    |-- _IR.py
    |-- __init__.py
    |-- __pycache__/
        |-- _IR.cpython-312.pyc
        |-- __init__.cpython-312.pyc
        |-- _backward.cpython-312.pyc
        |-- _debug.cpython-312.pyc
        |-- _unflatten.cpython-312.pyc
        |-- ... (4 more files)
    |-- _backward.py
    |-- _debug.py
    |-- _unflatten.py
    |-- ... (5 more files)
|-- rpc/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _utils.cpython-312.pyc
        |-- api.cpython-312.pyc
        |-- backend_registry.cpython-312.pyc
        |-- constants.cpython-312.pyc
        |-- ... (5 more files)
    |-- _testing/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- faulty_agent_backend_registry.cpython-312.pyc
            |-- faulty_agent_backend_registry.py
        |-- _utils.py
        |-- api.py
        |-- backend_registry.py
        |-- constants.py
        |-- ... (7 more files)
|-- tensor/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _api.cpython-312.pyc
        |-- _collective_utils.cpython-312.pyc
        |-- _dispatch.cpython-312.pyc
        |-- _dtensor_spec.cpython-312.pyc
        |-- ... (9 more files)
    |-- _api.py
    |-- _collective_utils.py
    |-- _dispatch.py

```

```

|-- _dtensor_spec.py
|-- ... (14 more files)
|-- _ops/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _common_rules.cpython-312.pyc
|--     _conv_ops.cpython-312.pyc
|--     _einsum_strategy.cpython-312.pyc
|--     _embedding_ops.cpython-312.pyc
|--     ... (8 more files)
|--   _common_rules.py
|--   _conv_ops.py
|--   _einsum_strategy.py
|--   _embedding_ops.py
|--   ... (9 more files)
|-- debug/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _comm_mode.cpython-312.pyc
|--     _op_coverage.cpython-312.pyc
|--     _visualize_sharding.cpython-312.pyc
|--   _comm_mode.py
|--   _op_coverage.py
|--   _visualize_sharding.py
|-- experimental/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _attention.cpython-312.pyc
|--     _func_map.cpython-312.pyc
|--     _register_sharding.cpython-312.pyc
|--     _tp_transform.cpython-312.pyc
|--   _attention.py
|--   _func_map.py
|--   _register_sharding.py
|--   _tp_transform.py
|-- parallel/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _data_parallel_utils.cpython-312.pyc
|--     _utils.cpython-312.pyc
|--     api.cpython-312.pyc
|--     ddp.cpython-312.pyc
|--     ... (4 more files)
|--   _data_parallel_utils.py
|--   _utils.py
|--   api.py
|--   ddp.py
|--   ... (5 more files)
|-- distributions/

```

```

|-- __init__.py
|-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- bernoulli.cpython-312.pyc
    |-- beta.cpython-312.pyc
    |-- binomial.cpython-312.pyc
    |-- categorical.cpython-312.pyc
    |-- ... (42 more files)
|-- bernoulli.py
|-- beta.py
|-- binomial.py
|-- categorical.py
|-- ... (43 more files)
|-- export/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _draft_export.cpython-312.pyc
        |-- _remove_auto_functionalized_pass.cpython-312.pyc
        |-- _remove_effect_tokens_pass.cpython-312.pyc
        |-- _safeguard.cpython-312.pyc
        |-- ... (11 more files)
    |-- _draft_export.py
    |-- _remove_auto_functionalized_pass.py
    |-- _remove_effect_tokens_pass.py
    |-- _safeguard.py
    |-- ... (14 more files)
|-- experimental/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- passes/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- fft/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- func/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- futures/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- fx/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _compatibility.cpython-312.pyc
        |-- _graph_pickler.cpython-312.pyc

```

```

|-- _lazy_graph_module.cpython-312.pyc
|-- _pytree.cpython-312.pyc
|-- ... (14 more files)
|-- _compatibility.py
|-- _graph_pickler.py
|-- _lazy_graph_module.py
|-- _pytree.py
|-- ... (17 more files)
|-- experimental/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _backward_state.cpython-312.pyc
|-- _config.cpython-312.pyc
|-- _constant_symnode.cpython-312.pyc
|-- _dynamism.cpython-312.pyc
|-- ... (18 more files)
|-- _backward_state.py
|-- _config.py
|-- _constant_symnode.py
|-- _dynamism.py
|-- ... (21 more files)
|-- migrate_gradual_types/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- constraint.cpython-312.pyc
|-- constraint_generator.cpython-312.pyc
|-- constraint_transformation.cpython-312.pyc
|-- operation.cpython-312.pyc
|-- ... (3 more files)
|-- constraint.py
|-- constraint_generator.py
|-- constraint_transformation.py
|-- operation.py
|-- ... (4 more files)
|-- unification/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- core.cpython-312.pyc
|-- dispatch.cpython-312.pyc
|-- match.cpython-312.pyc
|-- more.cpython-312.pyc
|-- ... (3 more files)
|-- core.py
|-- dispatch.py
|-- match.py
|-- more.py
|-- multipledispatch/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

```

```

|-- conflict.cpython-312.pyc
|-- core.cpython-312.pyc
|-- dispatcher.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- ... (1 more files)
|-- conflict.py
|-- core.py
|-- dispatcher.py
|-- utils.py
|-- ... (2 more files)
|-- ... (5 more files)
|-- passes/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _tensorify_python_scalars.cpython-312.pyc
|-- annotate_getitem_nodes.cpython-312.pyc
|-- fake_tensor_prop.cpython-312.pyc
|-- graph_drawer.cpython-312.pyc
|-- ... (13 more files)
|-- _tensorify_python_scalars.py
|-- annotate_getitem_nodes.py
|-- backends/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- cudagraphs.cpython-312.pyc
|-- cudagraphs.py
|-- dialect/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- cse_pass.cpython-312.pyc
|-- cse_pass.py
|-- fake_tensor_prop.py
|-- graph_drawer.py
|-- ... (19 more files)
|-- infra/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- partitioner.cpython-312.pyc
|-- pass_base.cpython-312.pyc
|-- pass_manager.cpython-312.pyc
|-- partitioner.py
|-- pass_base.py
|-- pass_manager.py
|-- tests/
|-- __init__.py

```



```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_pass_manager.cpython-312.pyc
|-- test_pass_manager.py
|-- utils/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- common.cpython-312.pyc
|-- fuser_utils.cpython-312.pyc
|-- matcher_utils.cpython-312.pyc
|-- matcher_with_name_node_map_utils.cpython-312.pyc
|-- ... (1 more files)
|-- common.py
|-- fuser_utils.py
|-- matcher_utils.py
|-- matcher_with_name_node_map_utils.py
|-- ... (2 more files)
|-- include/
|-- ATen/
|-- ATen.h
|-- AccumulateType.h
|-- ArrayRef.h
|-- Backend.h
|-- Backtrace.h
|-- ... (127 more files)
|-- core/
|-- ATenGeneral.h
|-- ATenOpList.h
|-- ATen_fwd.h
|-- ATen_pch.h
|-- Array.h
|-- ... (72 more files)
|-- boxing/
|-- BoxedKernel.h
|-- BoxedKernel_impl.h
|-- KernelFunction.h
|-- KernelFunction_impl.h
|-- OperatorKernel.h
|-- impl/
|-- WrapFunctionIntoFunctor.h
|-- WrapFunctionIntoRuntimeFunctor.h
|-- boxing.h
|-- make_boxed_from_unboxed_functor.h
|-- test_helpers.h
|-- dispatch/
|-- CppSignature.h
|-- DispatchKeyExtractor.h
|-- Dispatcher.h
|-- ObservedOperators.h
|-- OperatorEntry.h
|-- ... (2 more files)
|-- op_registration/

```

```

|-- adaption.h
|-- infer_schema.h
|-- op_allowlist.h
|-- op_registration.h
|-- cpu/
|-- FlushDenormal.h
|-- Utils.h
|-- vec/
|-- functional.h
|-- functional_base.h
|-- functional_bfloat16.h
|-- intrinsics.h
|-- sve/
|-- sve_helper.h
|-- vec_common_sve.h
|-- vec_double.h
|-- vec_float.h
|-- vec_int.h
|-- ... (1 more files)
|-- vec.h
|-- vec128/
|-- vec128.h
|-- vec128_bfloat16_neon.h
|-- vec128_convert.h
|-- vec128_float_neon.h
|-- vec128_half_neon.h
|-- ... (1 more files)
|-- vec256/
|-- missing_vld1_neon.h
|-- missing_vst1_neon.h
|-- vec256.h
|-- vec256_16bit_float.h
|-- vec256_bfloat16.h
|-- ... (11 more files)
|-- vsx/
|-- vec256_bfloat16_vsx.h
|-- vec256_common_vsx.h
|-- vec256_complex_double_vsx.h
|-- vec256_complex_float_vsx.h
|-- vec256_double_vsx.h
|-- ... (8 more files)
|-- zarch/
|-- vec256_zarch.h
|-- vec512/
|-- vec512.h
|-- vec512_bfloat16.h
|-- vec512_complex_double.h
|-- vec512_complex_float.h
|-- vec512_convert.h
|-- ... (5 more files)
|-- ... (9 more files)
|-- vml.h
|-- cuda/

```

```

|-- ATenCUDAGeneral.h
|-- ApplyGridUtils.cuh
|-- AsmUtils.cuh
|-- Atomic.cuh
|-- CUDAAApplyUtils.cuh
|-- ... (34 more files)
|-- detail/
|   |-- CUDAHooks.h
|   |-- DeviceThreadHandles.h
|   |-- IndexUtils.cuh
|   |-- IntegerDivider.cuh
|   |-- KernelUtils.h
|   |-- ... (5 more files)
|-- tunable/
|   |-- GemmCommon.h
|   |-- GemmHipblaslt.h
|   |-- GemmRocblas.h
|   |-- StreamTimer.h
|   |-- Tunable.h
|   |-- ... (2 more files)
|-- cudnn/
|   |-- Descriptors.h
|   |-- Handle.h
|   |-- Handles.h
|   |-- Types.h
|   |-- Utils.h
|   |-- ... (1 more files)
|-- detail/
|   |-- AcceleratorHooksInterface.h
|   |-- CUDAHooksInterface.h
|   |-- FunctionTraits.h
|   |-- HIPHooksInterface.h
|   |-- HPUHooksInterface.h
|   |-- ... (6 more files)
|-- functorch/
|   |-- ADInterpreters.h
|   |-- BatchRulesHelper.h
|   |-- BatchedFallback.h
|   |-- BatchedTensorImpl.h
|   |-- BatchingMetaprogramming.h
|   |-- ... (8 more files)
|-- hip/
|   |-- impl/
|   |   |-- HIPAllocatorMasqueradingAsCUDA.h
|   |   |-- HIPCachingAllocatorMasqueradingAsCUDA.h
|   |   |-- HIPGuardImplMasqueradingAsCUDA.h
|   |   |-- HIPStreamMasqueradingAsCUDA.h
|-- miopen/
|   |-- Descriptors.h
|   |-- Exceptions.h
|   |-- Handle.h
|   |-- Types.h
|   |-- Utils.h

```

```

|-- ... (1 more files)
|-- mps/
|-- EmptyTensor.h
|-- IndexKernels.h
|-- MPSAllocator.h
|-- MPSAllocatorInterface.h
|-- MPSDevice.h
|-- ... (6 more files)
|-- native/
|-- Activation.h
|-- AdaptivePooling.h
|-- AmpKernels.h
|-- BatchLinearAlgebra.h
|-- BinaryOps.h
|-- ... (102 more files)
|-- cpu/
|-- AtomicAddFloat.h
|-- CatKernel.h
|-- ChannelShuffleKernel.h
|-- CopyKernel.h
|-- DepthwiseConvKernel.h
|-- ... (26 more files)
|-- cuda/
|-- Activation.h
|-- BinaryInternal.h
|-- CUDAjitLoops.cuh
|-- CUDALoops.cuh
|-- CompositeRandomAccessor.h
|-- ... (54 more files)
|-- hip/
|-- ck_bgemm.h
|-- ck_gemm.h
|-- ck_gemm_template.h
|-- ck_types.h
|-- kleidiai/
|-- kai_kernels.h
|-- kai_pack.h
|-- kai_ukernel_interface.h
|-- mkldnn/
|-- xpu/
|-- detail/
|-- Attr.h
|-- Utils.h
|-- oneDNN.h
|-- oneDNNContext.h
|-- mps/
|-- Copy.h
|-- MPSGraphSequoiaOps.h
|-- MPSGraphSonomaOps.h
|-- MPSGraphVenturaOps.h
|-- MetalShaderLibrary.h
|-- ... (2 more files)
|-- nested/

```

```

        |-- NestedTensorBinaryOps.h
        |-- NestedTensorMath.h
        |-- NestedTensorTransformerFunctions.h
        |-- NestedTensorTransformerUtils.h
        |-- NestedTensorUtils.h
    |-- quantized/
        |-- AffineQuantizer.h
        |-- AffineQuantizerBase.h
        |-- ConvUtils.h
        |-- Copy.h
        |-- FakeQuantAffine.h
        |-- ... (4 more files)
    |-- cpu/
        |-- ACLUtils.h
        |-- BinaryOps.h
        |-- EmbeddingPackedParams.h
        |-- OnednnUtils.h
        |-- QnnpackUtils.h
        |-- ... (11 more files)
    |-- transformers/
        |-- attention.h
        |-- sdp_utils_cpp.h
    |-- utils/
        |-- Factory.h
        |-- ParamUtils.h
        |-- ParamsHash.h
|-- ops/
    |-- _adaptive_avg_pool2d.h
    |-- _adaptive_avg_pool2d_backward.h
    |-- _adaptive_avg_pool2d_backward_compositeexplicitautograd_dispatch.h
    |-- _adaptive_avg_pool2d_backward_cpu_dispatch.h
    |-- _adaptive_avg_pool2d_backward_cuda_dispatch.h
    |-- ... (6962 more files)
|-- quantized/
    |-- QTensorImpl.h
    |-- Quantizer.h
|-- xpu/
    |-- CachingHostAllocator.h
    |-- PinnedMemoryAllocator.h
    |-- XPUContext.h
    |-- XPUDevice.h
    |-- XPUEvent.h
    |-- ... (2 more files)
    |-- detail/
        |-- XPUHooks.h
|-- c10/
    |-- core/
        |-- Allocator.h
        |-- AutogradState.h
        |-- Backend.h
        |-- CPUAllocator.h
        |-- CachingDeviceAllocator.h
        |-- ... (45 more files)

```

```

|-- impl/
|-- COW.h
|-- COWDeleter.h
|-- DeviceGuardImplInterface.h
|-- FakeGuardImpl.h
|-- GPUTrace.h
|-- ... (12 more files)
|-- cuda/
|-- CUDAAAlgorithm.h
|-- CUDAAAllocatorConfig.h
|-- CUDACachingAllocator.h
|-- CUDADeviceAssertion.h
|-- CUDADeviceAssertionHost.h
|-- ... (10 more files)
|-- impl/
|-- CUDAGuardImpl.h
|-- CUDATest.h
|-- macros/
|-- Export.h
|-- Macros.h
|-- cmake_macros.h
|-- metal/
|-- indexing.h
|-- random.h
|-- reduction_utils.h
|-- special_math.h
|-- utils.h
|-- util/
|-- AbortHandler.h
|-- AlignOf.h
|-- ApproximateClock.h
|-- Array.h
|-- ArrayRef.h
|-- ... (106 more files)
|-- xpu/
|-- XPUCachingAllocator.h
|-- XPUDeviceProp.h
|-- XPUException.h
|-- XPUFunctions.h
|-- XPUMacros.h
|-- ... (2 more files)
|-- impl/
|-- XPUGuardImpl.h
|-- caffe2/
|-- serialize/
|-- crc_alt.h
|-- file_adapter.h
|-- in_memory_adapter.h
|-- inline_container.h
|-- istream_adapter.h
|-- ... (2 more files)
|-- cpuinfo.h
|-- dnnl.h

```

```

|-- dnnl_config.h
|-- dnnl_debug.h
|-- dnnl_ocl.h
|-- ... (19 more files)
|-- kineto/
    |-- AbstractConfig.h
    |-- ActivityProfilerInterface.h
    |-- ActivityTraceInterface.h
    |-- ActivityType.h
    |-- ClientInterface.h
    |-- ... (11 more files)
|-- pybind11/
    |-- attr.h
    |-- buffer_info.h
    |-- cast.h
    |-- chrono.h
    |-- common.h
    |-- ... (19 more files)
    |-- detail/
        |-- class.h
        |-- common.h
        |-- cpp_conduit.h
        |-- descr.h
        |-- exception_translation.h
        |-- ... (5 more files)
    |-- eigen/
        |-- common.h
        |-- matrix.h
        |-- tensor.h
|-- torch/
    |-- csrc/
        |-- CudaIPCTypes.h
        |-- DataLoader.h
        |-- Device.h
        |-- DeviceAccelerator.h
        |-- Dtype.h
        |-- ... (39 more files)
    |-- api/
        |-- include/
            |-- torch/
                |-- all.h
                |-- arg.h
                |-- autograd.h
                |-- cuda.h
                |-- data/
                    |-- dataloader/
                        |-- base.h
                        |-- stateful.h
                        |-- stateless.h
                    |-- dataloader.h
                    |-- dataloader_options.h
                    |-- datasets/
                        |-- base.h

```

```

|-- chunk.h
|-- map.h
|-- mnist.h
|-- shared.h
|-- ... (2 more files)
|-- datasets.h
|-- detail/
|-- data_shuttle.h
|-- queue.h
|-- sequencers.h
|-- example.h
|-- iterator.h
|-- samplers/
|-- base.h
|-- custom_batch_request.h
|-- distributed.h
|-- random.h
|-- sequential.h
|-- ... (2 more files)
|-- ... (8 more files)
|-- transforms/
|-- base.h
|-- collate.h
|-- lambda.h
|-- stack.h
|-- tensor.h
|-- data.h
|-- detail/
|-- TensorDataContainer.h
|-- static.h
|-- ... (24 more files)
|-- nn/
|-- cloneable.h
|-- functional/
|-- activation.h
|-- batchnorm.h
|-- conv.h
|-- distance.h
|-- dropout.h
|-- ... (11 more files)
|-- functional.h
|-- init.h
|-- module.h
|-- modules/
|-- _functions.h
|-- activation.h
|-- adaptive.h
|-- batchnorm.h
|-- common.h
|-- container/
|-- any.h
|-- any_module_holder.h
|-- any_value.h

```



```

        |-- functional.h
        |-- moduledict.h
        |-- ... (5 more files)
    |-- ... (19 more files)
|-- modules.h
|-- options/
    |-- activation.h
    |-- adaptive.h
    |-- batchnorm.h
    |-- conv.h
    |-- distance.h
    |-- ... (16 more files)
|-- ... (9 more files)
|-- parallel/
    |-- data_parallel.h
|-- utils/
    |-- clip_grad.h
    |-- convert_parameters.h
    |-- rnn.h
|-- optim/
    |-- adagrad.h
    |-- adam.h
    |-- adamw.h
    |-- lbfgs.h
    |-- optimizer.h
    |-- ... (4 more files)
    |-- schedulers/
        |-- lr_scheduler.h
        |-- reduce_on_plateau_scheduler.h
        |-- step_lr.h
|-- serialize/
    |-- archive.h
    |-- input-archive.h
    |-- output-archive.h
    |-- tensor.h
|-- autograd/
    |-- FunctionsManual.h
    |-- InferenceMode.h
    |-- VariableTypeUtils.h
    |-- anomaly_mode.h
    |-- autograd.h
    |-- ... (44 more files)
    |-- functions/
        |-- accumulate_grad.h
        |-- basic_ops.h
        |-- comm.h
        |-- pybind.h
        |-- tensor.h
        |-- ... (1 more files)
    |-- generated/
        |-- Functions.h
        |-- VariableType.h
        |-- ViewFuncs.h

```

```

|-- python_functions.h
|-- python_return_types.h
|-- ... (1 more files)
|-- utils/
|-- error_messages.h
|-- grad_layout_contract.h
|-- lambda_post_hook.h
|-- python_arg_parsing.h
|-- warnings.h
|-- ... (1 more files)
|-- cuda/
|-- CUDAPluggableAllocator.h
|-- Event.h
|-- GdsFile.h
|-- Module.h
|-- Stream.h
|-- ... (7 more files)
|-- distributed/
|-- autograd/
|-- context/
|-- container.h
|-- context.h
|-- functions/
|-- recvrpc_backward.h
|-- sendrpc_backward.h
|-- rpc_messages/
|-- autograd_metadata.h
|-- cleanup_autograd_context_req.h
|-- cleanup_autograd_context_resp.h
|-- propagate_gradients_req.h
|-- propagate_gradients_resp.h
|-- ... (5 more files)
|-- c10d/
|-- Backend.hpp
|-- Backoff.hpp
|-- CUDASymmetricMemory-inl.h
|-- CUDASymmetricMemory.hpp
|-- DMAConnectivity.hpp
|-- ... (46 more files)
|-- rpc/
|-- agent_utils.h
|-- message.h
|-- py_rref.h
|-- python_call.h
|-- python_functions.h
|-- ... (22 more files)
|-- dynamo/
|-- cache_entry.h
|-- compiled_autograd.h
|-- cpp_shim.h
|-- cpython_defs.h
|-- cpython_includes.h
|-- ... (9 more files)

```

```
|-- inductor/
  |-- aoti_include/
    |-- array_ref.h
    |-- common.h
    |-- cpu.h
    |-- cuda.h
    |-- xpu.h
  |-- aoti_package/
    |-- model_package_loader.h
    |-- pybind.h
  |-- aoti_runner/
    |-- model_container_runner.h
    |-- model_container_runner_cpu.h
    |-- model_container_runner_cuda.h
    |-- model_container_runner_xpu.h
    |-- pybind.h
  |-- aoti_runtime/
    |-- arrayref_tensor.h
    |-- device_utils.h
    |-- interface.h
    |-- model.h
    |-- model_container.h
    |-- ... (6 more files)
  |-- aoti_torch/
    |-- c/
      |-- shim.h
      |-- shim_mkldnn.h
      |-- shim_xpu.h
    |-- generated/
      |-- c_shim_cpu.h
      |-- c_shim_cuda.h
      |-- c_shim_xpu.h
    |-- mkldnn_tensor.h
    |-- oss_proxy_executor.h
    |-- proxy_executor.h
    |-- tensor_converter.h
    |-- utils.h
  |-- array_ref_impl.h
  |-- cpp_wrapper/
    |-- array_ref.h
    |-- common.h
    |-- cpu.h
    |-- cuda.h
    |-- device_internal/
      |-- cpu.h
      |-- cuda.h
      |-- xpu.h
    |-- xpu.h
  |-- inductor_ops.h
|-- jit/
  |-- api/
    |-- compilation_unit.h
    |-- function_impl.h
```

```
|-- method.h
|-- module.h
|-- object.h
|-- backends/
|   |-- backend.h
|   |-- backend_debug_handler.h
|   |-- backend_debug_info.h
|   |-- backend_detail.h
|   |-- backend_exception.h
|   |-- ... (4 more files)
|-- codegen/
|   |-- cuda/
|       |-- interface.h
|-- frontend/
|   |-- builtin_functions.h
|   |-- canonicalize_modified_loop.h
|   |-- concrete_module_type.h
|   |-- convert_to_ssa.h
|   |-- edit_distance.h
|   |-- ... (23 more files)
|-- ir/
|   |-- alias_analysis.h
|   |-- attributes.h
|   |-- constants.h
|   |-- graph_node_list.h
|   |-- graph_utils.h
|   |-- ... (8 more files)
|-- jit_log.h
|-- jit_opt_limit.h
|-- mobile/
|   |-- code.h
|   |-- debug_info.h
|   |-- file_format.h
|   |-- flatbuffer_loader.h
|   |-- frame.h
|   |-- ... (17 more files)
|-- passes/
|   |-- add_if_then_else.h
|   |-- annotate_warns.h
|   |-- autocast.h
|   |-- bailout_graph.h
|   |-- batch_mm.h
|   |-- ... (84 more files)
|   |-- quantization/
|       |-- dedup_module_uses.h
|       |-- finalize.h
|       |-- fusion_passes.h
|       |-- helper.h
|       |-- insert_observers.h
|       |-- ... (4 more files)
|-- utils/
|   |-- check_alias_annotation.h
|   |-- memory_dag.h
```

```

|-- op_registry.h
|-- optimization_utils.h
|-- subgraph_utils.h
|-- python/
|--   init.h
|--   module_python.h
|--   pybind.h
|--   pybind_utils.h
|--   python_arg_flatten.h
|--   ... (11 more files)
|-- resource_guard.h
|-- runtime/
|--   argument_spec.h
|--   autodiff.h
|--   calculate_necessary_args.h
|--   custom_operator.h
|--   decomposition_registry.h
|--   ... (26 more files)
|-- serialization/
|--   callstack_debug_info_serialization.h
|--   export.h
|--   export_bytecode.h
|--   flatbuffer_serializer.h
|--   flatbuffer_serializer_jit.h
|--   ... (16 more files)
|-- tensorexpr/
|--   analysis.h
|--   block_codegen.h
|--   bounds_inference.h
|--   bounds_overlap.h
|--   codegen.h
|--   ... (38 more files)
|--   operators/
|--     conv2d.h
|--     matmul.h
|--     misc.h
|--     norm.h
|--     operators.h
|--     ... (4 more files)
|-- testing/
|--   file_check.h
|--   hooks_for_testing.h
|-- lazy/
|--   backend/
|--     backend_data.h
|--     backend_device.h
|--     backend_interface.h
|--     lowering_context.h
|--   core/
|--     cache.h
|--     config.h
|--     debug_util.h
|--     dynamic_ir.h

```

```
|-- hash.h
|-- ... (21 more files)
|-- internal_ops/
|   |-- ltc_ops.h
|-- ops/
|   |-- arithmetic_ir_ops.h
|   |-- utils.h
|-- python/
|   |-- python_util.h
|-- ts_backend/
|   |-- config.h
|   |-- dynamic_ir.h
|   |-- ir_builder.h
|   |-- tensor_aten_ops.h
|   |-- ts_autograd_functions.h
|   |-- ... (5 more files)
|-- onnx/
|   |-- back_compat.h
|   |-- init.h
|   |-- onnx.h
|-- profiler/
|   |-- api.h
|   |-- collection.h
|   |-- combined_traceback.h
|   |-- containers.h
|   |-- data_flow.h
|   |-- ... (11 more files)
|   |-- orchestration/
|       |-- observer.h
|       |-- python_tracer.h
|       |-- vulkan.h
|-- python/
|   |-- combined_traceback.h
|   |-- init.h
|   |-- pybind.h
|-- standalone/
|   |-- execution_trace_observer.h
|   |-- itt_observer.h
|   |-- nvtx_observer.h
|   |-- privateuse1_observer.h
|-- stubs/
|   |-- base.h
|-- unwind/
|   |-- action.h
|   |-- communicate.h
|   |-- debug_info.h
|   |-- dwarf_enums.h
|   |-- dwarf_symbolize_enums.h
|   |-- ... (11 more files)
|-- stable/
|   |-- library.h
|-- tensor/
|   |-- python_tensor.h
```

```

        |-- utils/
            |-- byte_order.h
            |-- cpp_stacktraces.h
            |-- cuda_enabled.h
            |-- device_lazy_init.h
            |-- disable_torch_function.h
            |-- ... (40 more files)
        |-- xpu/
            |-- Event.h
            |-- Module.h
            |-- Stream.h
        |-- custom_class.h
        |-- custom_class_detail.h
        |-- extension.h
        |-- library.h
        |-- script.h
|-- jit/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _async.cpython-312.pyc
        |-- _await.cpython-312.pyc
        |-- _builtins.cpython-312.pyc
        |-- _check.cpython-312.pyc
        |-- ... (21 more files)
    |-- _async.py
    |-- _await.py
    |-- _builtins.py
    |-- _check.py
    |-- ... (25 more files)
    |-- _passes/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- _property_propagation.cpython-312.pyc
        |-- _property_propagation.py
    |-- mobile/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
|-- lib/
    |-- XNNPACK.lib
    |-- _C.lib
    |-- asmjit.dll
    |-- asmjit.lib
    |-- c10.dll
    |-- ... (25 more files)
|-- linalg/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- masked/
    |-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _docs.cpython-312.pyc
|-- _ops.cpython-312.pyc
|-- _docs.py
|-- _ops.py
|-- maskedtensor/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _ops_refs.cpython-312.pyc
|-- binary.cpython-312.pyc
|-- core.cpython-312.pyc
|-- creation.cpython-312.pyc
|-- ... (3 more files)
|-- _ops_refs.py
|-- binary.py
|-- core.py
|-- creation.py
|-- ... (4 more files)
|-- monitor/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- mps/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- event.cpython-312.pyc
|-- profiler.cpython-312.pyc
|-- event.py
|-- profiler.py
|-- mtia/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- memory.cpython-312.pyc
|-- _utils.py
|-- memory.py
|-- multiprocessing/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _atfork.cpython-312.pyc
|-- pool.cpython-312.pyc
|-- queue.cpython-312.pyc
|-- reductions.cpython-312.pyc
|-- ... (1 more files)
|-- _atfork.py
|-- pool.py
|-- queue.py
|-- reductions.py

```



```

|-- ... (2 more files)
|-- nested/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--   _internal/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       nested_int.cpython-312.pyc
|--       nested_tensor.cpython-312.pyc
|--       ops.cpython-312.pyc
|--       sdpa.cpython-312.pyc
|--     nested_int.py
|--     nested_tensor.py
|--     ops.py
|--     sdpa.py
|-- nn/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     _reduction.cpython-312.pyc
|--     common_types.cpython-312.pyc
|--     cpp.cpython-312.pyc
|--     functional.cpython-312.pyc
|--     ... (3 more files)
|--   _reduction.py
|--   attention/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       _utils.cpython-312.pyc
|--       bias.cpython-312.pyc
|--       flex_attention.cpython-312.pyc
|--     _utils.py
|--     bias.py
|--     experimental/
|--       __init__.py
|--       __pycache__/
|--         __init__.cpython-312.pyc
|--         _paged_attention.cpython-312.pyc
|--       _paged_attention.py
|--     flex_attention.py
|--   backends/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       thnn.cpython-312.pyc
|--     thnn.py
|--   common_types.py
|--   cpp.py
|--   functional.py
|--   ... (15 more files)

```

```

|-- intrinsic/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|-- modules/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|    |-- fused.cpython-312.pyc
|  |-- fused.py
|-- qat/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|-- modules/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|    |-- conv_fused.cpython-312.pyc
|    |-- linear_fused.cpython-312.pyc
|    |-- linear_relu.cpython-312.pyc
|  |-- conv_fused.py
|  |-- linear_fused.py
|  |-- linear_relu.py
|-- quantized/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|-- dynamic/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|-- modules/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|    |-- linear_relu.cpython-312.pyc
|  |-- linear_relu.py
|-- modules/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|    |-- bn_relu.cpython-312.pyc
|    |-- conv_relu.cpython-312.pyc
|    |-- linear_relu.cpython-312.pyc
|  |-- bn_relu.py
|  |-- conv_relu.py
|  |-- linear_relu.py
|-- modules/
|  |-- __init__.py
|  |-- __pycache__/
|    |-- __init__.cpython-312.pyc
|  |-- _functions.cpython-312.pyc

```

```

|-- activation.cpython-312.pyc
|-- adaptive.cpython-312.pyc
|-- batchnorm.cpython-312.pyc
|-- ... (21 more files)
|-- _functions.py
|-- activation.py
|-- adaptive.py
|-- batchnorm.py
|-- ... (22 more files)
|-- parallel/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _functions.cpython-312.pyc
|-- comm.cpython-312.pyc
|-- data_parallel.cpython-312.pyc
|-- distributed.cpython-312.pyc
|-- ... (3 more files)
|-- _functions.py
|-- comm.py
|-- data_parallel.py
|-- distributed.py
|-- ... (4 more files)
|-- qat/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- dynamic/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- linear.py
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- embedding_ops.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- conv.py
|-- embedding_ops.py
|-- linear.py
|-- quantizable/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- activation.cpython-312.pyc
|-- rnn.cpython-312.pyc
|-- activation.py
|-- rnn.py
|-- quantized/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- functional.cpython-312.pyc
|-- _reference/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- rnn.cpython-312.pyc
|-- sparse.cpython-312.pyc
|-- ... (1 more files)
|-- conv.py
|-- linear.py
|-- rnn.py
|-- sparse.py
|-- ... (2 more files)
|-- dynamic/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- linear.cpython-312.pyc
|-- rnn.cpython-312.pyc
|-- conv.py
|-- linear.py
|-- rnn.py
|-- functional.py
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- activation.cpython-312.pyc
|-- batchnorm.cpython-312.pyc
|-- conv.cpython-312.pyc
|-- dropout.cpython-312.pyc
|-- ... (6 more files)

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```

        |-- activation.py
        |-- batchnorm.py
        |-- conv.py
        |-- dropout.py
        |-- ... (7 more files)
|-- utils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _deprecation_utils.cpython-312.pyc
        |-- _named_member_accessor.cpython-312.pyc
        |-- _per_sample_grad.cpython-312.pyc
        |-- clip_grad.cpython-312.pyc
        |-- ... (11 more files)
    |-- _deprecation_utils.py
    |-- _expanded_weights/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- conv_expanded_weights.cpython-312.pyc
            |-- conv_utils.cpython-312.pyc
            |-- embedding_expanded_weights.cpython-312.pyc
            |-- expanded_weights_impl.cpython-312.pyc
            |-- ... (5 more files)
        |-- conv_expanded_weights.py
        |-- conv_utils.py
        |-- embedding_expanded_weights.py
        |-- expanded_weights_impl.py
        |-- ... (6 more files)
    |-- _named_member_accessor.py
    |-- _per_sample_grad.py
    |-- clip_grad.py
    |-- ... (13 more files)
|-- onnx/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _constants.cpython-312.pyc
        |-- _experimental.cpython-312.pyc
        |-- _flags.cpython-312.pyc
        |-- _globals.cpython-312.pyc
        |-- ... (22 more files)
    |-- _constants.py
    |-- _experimental.py
    |-- _flags.py
    |-- _globals.py
    |-- _internal/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- _exporter_legacy.cpython-312.pyc
            |-- _lazy_import.cpython-312.pyc
            |-- io_adapter.cpython-312.pyc

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```

|-- jit_utils.cpython-312.pyc
|-- ... (3 more files)
|-- _exporter_legacy.py
|-- _lazy_import.py
|-- diagnostics/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _diagnostic.cpython-312.pyc
|-- _rules.cpython-312.pyc
|-- _diagnostic.py
|-- _rules.py
|-- infra/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _infra.cpython-312.pyc
|-- context.cpython-312.pyc
|-- decorator.cpython-312.pyc
|-- formatter.cpython-312.pyc
|-- ... (1 more files)
|-- _infra.py
|-- context.py
|-- decorator.py
|-- formatter.py
|-- sarif/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _address.cpython-312.pyc
|-- _artifact.cpython-312.pyc
|-- _artifact_change.cpython-312.pyc
|-- _artifact_content.cpython-312.pyc
|-- ... (50 more files)
|-- _address.py
|-- _artifact.py
|-- _artifact_change.py
|-- _artifact_content.py
|-- ... (51 more files)
|-- ... (3 more files)
|-- exporter/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _analysis.cpython-312.pyc
|-- _building.cpython-312.pyc
|-- _capture_strategies.cpython-312.pyc
|-- _compat.cpython-312.pyc
|-- ... (16 more files)
|-- _analysis.py
|-- _building.py
|-- _capture_strategies.py
|-- _compat.py

```

```

|-- ... (18 more files)
|-- _torchlib/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _tensor_typing.cpython-312.pyc
|       |-- _torchlib_registry.cpython-312.pyc
|   |-- _tensor_typing.py
|   |-- _torchlib_registry.py
|   |-- ops/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- core.cpython-312.pyc
|           |-- hop.cpython-312.pyc
|       |-- core.py
|       |-- hop.py
|-- fx/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _pass.cpython-312.pyc
|       |-- decomposition_skip.cpython-312.pyc
|       |-- decomposition_table.cpython-312.pyc
|       |-- diagnostics.cpython-312.pyc
|       |-- ... (8 more files)
|   |-- _pass.py
|   |-- analysis/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- unsupported_nodes.cpython-312.pyc
|       |-- unsupported_nodes.py
|   |-- decomposition_skip.py
|   |-- decomposition_table.py
|   |-- diagnostics.py
|   |-- ... (11 more files)
|   |-- passes/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- _utils.cpython-312.pyc
|           |-- decomp.cpython-312.pyc
|           |-- functionalization.cpython-312.pyc
|           |-- modularization.cpython-312.pyc
|           |-- ... (3 more files)
|       |-- _utils.py
|       |-- decomp.py
|       |-- functionalization.py
|       |-- modularization.py
|       |-- ... (4 more files)
|-- io_adapter.py
|-- jit_utils.py

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```

        |-- ... (7 more files)
    |-- ... (24 more files)
|-- optim/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _adafactor.cpython-312.pyc
        |-- _functional.cpython-312.pyc
        |-- adadelata.cpython-312.pyc
        |-- adagrad.cpython-312.pyc
        |-- ... (14 more files)
    |-- _adafactor.py
    |-- _functional.py
    |-- _multi_tensor/
        |-- __init__.py
        |-- __init__.pyi
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
    |-- adadelata.py
    |-- adagrad.py
    |-- ... (16 more files)
|-- package/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _digraph.cpython-312.pyc
        |-- _directory_reader.cpython-312.pyc
        |-- _importlib.cpython-312.pyc
        |-- _mangling.cpython-312.pyc
        |-- ... (10 more files)
    |-- _digraph.py
    |-- _directory_reader.py
    |-- _importlib.py
    |-- _mangling.py
    |-- ... (12 more files)
    |-- analyze/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- find_first_use_of_broken_modules.cpython-312.pyc
            |-- is_from_package.cpython-312.pyc
            |-- trace_dependencies.cpython-312.pyc
        |-- find_first_use_of_broken_modules.py
        |-- is_from_package.py
        |-- trace_dependencies.py
|-- profiler/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _memory_profiler.cpython-312.pyc
        |-- _pattern_matcher.cpython-312.pyc
        |-- _utils.cpython-312.pyc
        |-- itt.cpython-312.pyc

```



```

    |-- ... (2 more files)
|-- _memory_profiler.py
|-- _pattern_matcher.py
|-- _utils.py
|-- itt.py
|-- ... (3 more files)
|-- quantization/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _numeric_suite.cpython-312.pyc
|-- _numeric_suite_fx.cpython-312.pyc
|-- _quantized_conversions.cpython-312.pyc
|-- fake_quantize.cpython-312.pyc
|-- ... (11 more files)
|-- _numeric_suite.py
|-- _numeric_suite_fx.py
|-- _quantized_conversions.py
|-- fake_quantize.py
|-- ... (13 more files)
|-- fx/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _equalize.cpython-312.pyc
|-- convert.cpython-312.pyc
|-- fuse.cpython-312.pyc
|-- fusion_patterns.cpython-312.pyc
|-- ... (7 more files)
|-- _equalize.py
|-- convert.py
|-- fuse.py
|-- fusion_patterns.py
|-- ... (8 more files)
|-- share/
|-- cmake/
|-- ATen/
|-- ATenConfig.cmake
|-- Caffe2/
|-- Caffe2Config.cmake
|-- Caffe2Targets-release.cmake
|-- Caffe2Targets.cmake
|-- FindCUDAToolkit.cmake
|-- FindCUDSS.cmake
|-- ... (4 more files)
|-- Modules_CUDA_fix/
|-- FindCUDA.cmake
|-- FindCUDNN.cmake
|-- upstream/
|-- CMakeInitializeConfigs.cmake
|-- FindCUDA/
|-- make2cmake.cmake
|-- parse_cubin.cmake

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```

        |-- run_nvcc.cmake
        |-- select_compute_arch.cmake
        |-- FindCUDA.cmake
        |-- FindPackageHandleStandardArgs.cmake
        |-- FindPackageMessage.cmake
    |-- public/
        |-- LoadHIP.cmake
        |-- cuda.cmake
        |-- gflags.cmake
        |-- glog.cmake
        |-- mkl.cmake
        |-- ... (4 more files)
    |-- Torch/
        |-- TorchConfig.cmake
        |-- TorchConfigVersion.cmake
|-- signal/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- windows/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- windows.cpython-312.pyc
        |-- windows.py
|-- sparse/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _semi_structured_conversions.cpython-312.pyc
        |-- _semi_structured_ops.cpython-312.pyc
        |-- _triton_ops.cpython-312.pyc
        |-- _triton_ops_meta.cpython-312.pyc
        |-- ... (1 more files)
    |-- _semi_structured_conversions.py
    |-- _semi_structured_ops.py
    |-- _triton_ops.py
    |-- _triton_ops_meta.py
    |-- ... (2 more files)
|-- special/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- testing/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _comparison.cpython-312.pyc
        |-- _creation.cpython-312.pyc
        |-- _utils.cpython-312.pyc
    |-- _comparison.py
    |-- _creation.py
    |-- _internal/

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```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- autocast_test_lists.cpython-312.pyc
|   |-- autograd_function_db.cpython-312.pyc
|   |-- check_kernel_launches.cpython-312.pyc
|   |-- common_cuda.cpython-312.pyc
|   |-- ... (37 more files)
|-- autocast_test_lists.py
|-- autograd_function_db.py
|-- check_kernel_launches.py
|-- codegen/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- common_cuda.py
|-- ... (45 more files)
|-- data/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- network1.cpython-312.pyc
|       |-- network2.cpython-312.pyc
|   |-- network1.py
|   |-- network2.py
|-- distributed/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- checkpoint_utils.cpython-312.pyc
|       |-- common_state_dict.cpython-312.pyc
|       |-- ddp_under_dist_autograd_test.cpython-312.pyc
|       |-- distributed_test.cpython-312.pyc
|       |-- ... (4 more files)
|-- _shard/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_common.cpython-312.pyc
|   |-- sharded_tensor/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- _test_ops_common.cpython-312.pyc
|           |-- _test_st_common.cpython-312.pyc
|       |-- _test_ops_common.py
|       |-- _test_st_common.py
|   |-- test_common.py
|-- _tensor/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- common_dtensor.cpython-312.pyc

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```

|-- common_dtensor.py
|-- checkpoint_utils.py
|-- common_state_dict.py
|-- ddp_under_dist_autograd_test.py
|-- distributed_test.py
|-- ... (9 more files)
|-- nn/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--   api/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       remote_module_test.cpython-312.pyc
|--       remote_module_test.py
|-- rpc/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     dist_autograd_test.cpython-312.pyc
|--     dist_optimizer_test.cpython-312.pyc
|--     faulty_agent_rpc_test.cpython-312.pyc
|--     faulty_rpc_agent_test_fixture.cpython-312.pyc
|--     ... (3 more files)
|--   dist_autograd_test.py
|--   dist_optimizer_test.py
|--   examples/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       parameter_server_test.cpython-312.pyc
|--       reinforcement_learning_rpc_test.cpython-312.pyc
|--     parameter_server_test.py
|--     reinforcement_learning_rpc_test.py
|--   faulty_agent_rpc_test.py
|--   faulty_rpc_agent_test_fixture.py
|--   jit/
|--     __init__.py
|--     __pycache__/
|--       __init__.cpython-312.pyc
|--       dist_autograd_test.cpython-312.pyc
|--       rpc_test.cpython-312.pyc
|--       rpc_test_faulty.cpython-312.pyc
|--     dist_autograd_test.py
|--     rpc_test.py
|--     rpc_test_faulty.py
|--   ... (6 more files)
|-- generated/
|--   __init__.py
|--   __pycache__/
|--     __init__.cpython-312.pyc
|--     annotated_fn_args.cpython-312.pyc

```

```

    |-- annotated_fn_args.py
|-- opinfo/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- core.cpython-312.pyc
        |-- refs.cpython-312.pyc
        |-- utils.cpython-312.pyc
    |-- core.py
    |-- definitions/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- _masked.cpython-312.pyc
            |-- fft.cpython-312.pyc
            |-- linalg.cpython-312.pyc
            |-- nested.cpython-312.pyc
            |-- ... (3 more files)
        |-- _masked.py
        |-- fft.py
        |-- linalg.py
        |-- nested.py
        |-- ... (4 more files)
    |-- refs.py
    |-- utils.py
|-- optests/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- aot_autograd.cpython-312.pyc
        |-- autograd_registration.cpython-312.pyc
        |-- fake_tensor.cpython-312.pyc
        |-- generate_tests.cpython-312.pyc
        |-- ... (1 more files)
    |-- aot_autograd.py
    |-- autograd_registration.py
    |-- fake_tensor.py
    |-- generate_tests.py
    |-- ... (2 more files)
|-- test_module/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- future_div.cpython-312.pyc
        |-- no_future_div.cpython-312.pyc
    |-- future_div.py
    |-- no_future_div.py
|-- _utils.py
|-- utils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _appending_byte_serializer.cpython-312.pyc

```

```

|-- _backport_slots.cpython-312.pyc
|-- _config_module.cpython-312.pyc
|-- _content_store.cpython-312.pyc
|-- ... (40 more files)
|-- _appending_byte_serializer.py
|-- _backport_slots.py
|-- _config_module.py
|-- _config_typing.pyi
|-- ... (54 more files)
|-- _strobelight/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- cli_function_profiler.cpython-312.pyc
|-- cli_function_profiler.py
|-- _sympy/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- functions.cpython-312.pyc
|-- interp.cpython-312.pyc
|-- numbers.cpython-312.pyc
|-- printers.cpython-312.pyc
|-- ... (5 more files)
|-- functions.py
|-- interp.py
|-- numbers.py
|-- printers.py
|-- ... (6 more files)
|-- backcompat/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- benchmark/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- examples/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- blas_compare_setup.cpython-312.pyc
|-- compare.cpython-312.pyc
|-- fuzzer.cpython-312.pyc
|-- op_benchmark.cpython-312.pyc
|-- ... (2 more files)
|-- blas_compare_setup.py
|-- compare.py
|-- fuzzer.py
|-- op_benchmark.py
|-- ... (3 more files)
|-- op_fuzzers/
|-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- binary.cpython-312.pyc
|-- sparse_binary.cpython-312.pyc
|-- sparse_unary.cpython-312.pyc
|-- spectral.cpython-312.pyc
|-- ... (1 more files)
|-- binary.py
|-- sparse_binary.py
|-- sparse_unary.py
|-- spectral.py
|-- ... (2 more files)
|-- utils/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _stubs.cpython-312.pyc
|-- common.cpython-312.pyc
|-- compare.cpython-312.pyc
|-- compile.cpython-312.pyc
|-- ... (4 more files)
|-- _stubs.py
|-- common.py
|-- compare.py
|-- compile.py
|-- ... (7 more files)
|-- valgrind_wrapper/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- timer_interface.cpython-312.pyc
|-- callgrind.h
|-- compat_bindings.cpp
|-- timer_callgrind_template.cpp
|-- timer_interface.py
|-- ... (2 more files)
|-- bottleneck/
|-- __init__.py
|-- __main__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- __main__.cpython-312.pyc
|-- data/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- backward_compatibility.cpython-312.pyc
|-- dataloader.cpython-312.pyc
|-- dataset.cpython-312.pyc
|-- distributed.cpython-312.pyc
|-- ... (3 more files)
|-- _utils/
|-- __init__.py

```

```

|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- collate.cpython-312.pyc
|-- fetch.cpython-312.pyc
|-- pin_memory.cpython-312.pyc
|-- signal_handling.cpython-312.pyc
|-- ... (1 more files)
|-- collate.py
|-- fetch.py
|-- pin_memory.py
|-- signal_handling.py
|-- ... (2 more files)
|-- backward_compatibility.py
|-- dataloader.py
|-- datapipes/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _decorator.cpython-312.pyc
|-- _hook_iterator.cpython-312.pyc
|-- _typing.cpython-312.pyc
|-- datapipe.cpython-312.pyc
|-- ... (1 more files)
|-- _decorator.py
|-- _hook_iterator.py
|-- _typing.py
|-- dataframe/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- dataframe_wrapper.cpython-312.pyc
|-- dataframes.cpython-312.pyc
|-- datapipes.cpython-312.pyc
|-- structures.cpython-312.pyc
|-- dataframe_wrapper.py
|-- dataframes.py
|-- datapipes.py
|-- structures.py
|-- datapipe.py
|-- ... (7 more files)
|-- iter/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- callable.cpython-312.pyc
|-- combinatorics.cpython-312.pyc
|-- combining.cpython-312.pyc
|-- filelister.cpython-312.pyc
|-- ... (7 more files)
|-- callable.py
|-- combinatorics.py
|-- combining.py
|-- filelister.py

```



```

        |-- ... (8 more files)
|-- map/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- callable.cpython-312.pyc
        |-- combinatorics.cpython-312.pyc
        |-- combining.cpython-312.pyc
        |-- grouping.cpython-312.pyc
        |-- ... (1 more files)
    |-- callable.py
    |-- combinatorics.py
    |-- combining.py
    |-- grouping.py
    |-- ... (2 more files)
|-- utils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- common.cpython-312.pyc
        |-- decoder.cpython-312.pyc
        |-- snapshot.cpython-312.pyc
    |-- common.py
    |-- decoder.py
    |-- snapshot.py
|-- dataset.py
|-- distributed.py
|-- ... (6 more files)
|-- hipify/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- constants.cpython-312.pyc
        |-- cuda_to_hip_mappings.cpython-312.pyc
        |-- hipify_python.cpython-312.pyc
        |-- version.cpython-312.pyc
    |-- constants.py
    |-- cuda_to_hip_mappings.py
    |-- hipify_python.py
    |-- version.py
|-- jit/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- log_extract.cpython-312.pyc
    |-- log_extract.py
|-- model_dump/
    |-- __init__.py
    |-- __main__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- __main__.cpython-312.pyc
|-- code.js

```

```

|-- htm.mjs
|-- preact.mjs
|-- ... (2 more files)
|-- serialization/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- config.cpython-312.pyc
|-- config.py
|-- tensorboard/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _convert_np.cpython-312.pyc
|-- _embedding.cpython-312.pyc
|-- _onnx_graph.cpython-312.pyc
|-- _proto_graph.cpython-312.pyc
|-- ... (4 more files)
|-- _convert_np.py
|-- _embedding.py
|-- _onnx_graph.py
|-- _proto_graph.py
|-- ... (5 more files)
|-- viz/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _cycles.cpython-312.pyc
|-- _cycles.py
|-- xpu/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _gpu_trace.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- memory.cpython-312.pyc
|-- random.cpython-312.pyc
|-- ... (1 more files)
|-- _gpu_trace.py
|-- _utils.py
|-- memory.py
|-- random.py
|-- ... (2 more files)
|-- torch-2.7.1.dist-info/
|-- INSTALLER
|-- LICENSE
|-- METADATA
|-- NOTICE
|-- RECORD
|-- ... (3 more files)
|-- torchgen/
|-- __init__.py
|-- __pycache__/

```

```

|-- __init__.cpython-312.pyc
|-- code_template.cpython-312.pyc
|-- context.cpython-312.pyc
|-- gen.cpython-312.pyc
|-- gen_aoti_c_shim.cpython-312.pyc
|-- ... (11 more files)
|-- aoti/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- fallback_ops.cpython-312.pyc
|-- fallback_ops.py
|-- api/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- autograd.cpython-312.pyc
|-- cpp.cpython-312.pyc
|-- dispatcher.cpython-312.pyc
|-- functionalization.cpython-312.pyc
|-- ... (8 more files)
|-- autograd.py
|-- cpp.py
|-- dispatcher.py
|-- functionalization.py
|-- ... (10 more files)
|-- types/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- signatures.cpython-312.pyc
|-- types.cpython-312.pyc
|-- types_base.cpython-312.pyc
|-- signatures.py
|-- types.py
|-- types_base.py
|-- code_template.py
|-- context.py
|-- dest/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- lazy_ir.cpython-312.pyc
|-- lazy_ts_lowering.cpython-312.pyc
|-- native_functions.cpython-312.pyc
|-- register_dispatch_key.cpython-312.pyc
|-- ... (1 more files)
|-- lazy_ir.py
|-- lazy_ts_lowering.py
|-- native_functions.py
|-- register_dispatch_key.py
|-- ... (2 more files)
|-- executorch/

```

```

|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- model.cpython-312.pyc
|   |-- parse.cpython-312.pyc
|-- api/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- custom_ops.cpython-312.pyc
|       |-- et_cpp.cpython-312.pyc
|       |-- unboxing.cpython-312.pyc
|   |-- custom_ops.py
|   |-- et_cpp.py
|   |-- types/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- signatures.cpython-312.pyc
|           |-- types.cpython-312.pyc
|       |-- signatures.py
|       |-- types.py
|   |-- unboxing.py
|-- model.py
|-- parse.py
|-- gen.py
|-- gen_aoti_c_shim.py
|-- ... (20 more files)
|-- operator_versions/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- gen_mobile_upgraders.cpython-312.pyc
|       |-- gen_mobile_upgraders_constant.cpython-312.pyc
|   |-- gen_mobile_upgraders.py
|   |-- gen_mobile_upgraders_constant.py
|-- packaged/
|   |-- ATen/
|       |-- native/
|           |-- native_functions.yaml
|           |-- tags.yaml
|       |-- templates/
|           |-- ATenOpList.cpp
|           |-- CompositeViewCopyKernels.cpp
|           |-- DispatchKeyFunction.h
|           |-- DispatchKeyFunctions.h
|           |-- DispatchKeyFunctions_inl.h
|           |-- ... (34 more files)
|-- autograd/
|   |-- BUILD.bazel
|   |-- README.md
|   |-- __init__.py
|   |-- __pycache__/

```

```

        |-- __init__.cpython-312.pyc
        |-- context.cpython-312.pyc
        |-- gen_annotated_fn_args.cpython-312.pyc
        |-- gen_autograd.cpython-312.pyc
        |-- gen_autograd_functions.cpython-312.pyc
        |-- ... (7 more files)
    |-- build.bzl
    |-- context.py
    |-- ... (14 more files)
    |-- templates/
        |-- ADInplaceOrViewType.cpp
        |-- Functions.cpp
        |-- Functions.h
        |-- TraceType.cpp
        |-- VariableType.cpp
        |-- ... (18 more files)
|-- selective_build/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- operator.cpython-312.pyc
        |-- selector.cpython-312.pyc
    |-- operator.py
    |-- selector.py
|-- static_runtime/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- config.cpython-312.pyc
        |-- gen_static_runtime_ops.cpython-312.pyc
        |-- generator.cpython-312.pyc
    |-- config.py
    |-- gen_static_runtime_ops.py
    |-- generator.py
|-- torchvision/
    |-- _C.pyd
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _internally_replaced_utils.cpython-312.pyc
        |-- _meta_registrations.cpython-312.pyc
        |-- _utils.cpython-312.pyc
        |-- extension.cpython-312.pyc
        |-- ... (2 more files)
    |-- _internally_replaced_utils.py
    |-- _meta_registrations.py
    |-- _utils.py
|-- datasets/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _optical_flow.cpython-312.pyc
        |-- _stereo_matching.cpython-312.pyc

```

```

|-- caltech.cpython-312.pyc
|-- celeba.cpython-312.pyc
|-- ... (45 more files)
|-- _optical_flow.py
|-- _stereo_matching.py
|-- caltech.py
|-- celeba.py
|-- ... (47 more files)
|-- samplers/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- clip_sampler.cpython-312.pyc
|-- clip_sampler.py
|-- ... (18 more files)
|-- io/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _load_gpu_decoder.cpython-312.pyc
|-- _video_deprecation_warning.cpython-312.pyc
|-- _video_opt.cpython-312.pyc
|-- image.cpython-312.pyc
|-- ... (2 more files)
|-- _load_gpu_decoder.py
|-- _video_deprecation_warning.py
|-- _video_opt.py
|-- image.py
|-- ... (3 more files)
|-- models/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _api.cpython-312.pyc
|-- _meta.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- alexnet.cpython-312.pyc
|-- ... (18 more files)
|-- _api.py
|-- _meta.py
|-- _utils.py
|-- alexnet.py
|-- ... (24 more files)
|-- detection/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- anchor_utils.cpython-312.pyc
|-- backbone_utils.cpython-312.pyc
|-- faster_rcnn.cpython-312.pyc
|-- ... (11 more files)
|-- _utils.py

```

```

|-- anchor_utils.py
|-- backbone_utils.py
|-- faster_rcnn.py
|-- ... (12 more files)
|-- optical_flow/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- raft.cpython-312.pyc
|-- _utils.py
|-- raft.py
|-- quantization/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- googlenet.cpython-312.pyc
|-- inception.cpython-312.pyc
|-- mobilenet.cpython-312.pyc
|-- mobilenetv2.cpython-312.pyc
|-- ... (4 more files)
|-- googlenet.py
|-- inception.py
|-- mobilenet.py
|-- mobilenetv2.py
|-- ... (5 more files)
|-- segmentation/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- deeplabv3.cpython-312.pyc
|-- fcn.cpython-312.pyc
|-- lraspp.cpython-312.pyc
|-- _utils.py
|-- deeplabv3.py
|-- fcn.py
|-- lraspp.py
|-- video/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- mvit.cpython-312.pyc
|-- resnet.cpython-312.pyc
|-- s3d.cpython-312.pyc
|-- swin_transformer.cpython-312.pyc
|-- mvit.py
|-- resnet.py
|-- s3d.py
|-- swin_transformer.py
|-- ops/
|-- __init__.py
|-- __pycache__/

```

```

|-- __init__.cpython-312.pyc
|-- _box_convert.cpython-312.pyc
|-- _register_onnx_ops.cpython-312.pyc
|-- _utils.cpython-312.pyc
|-- boxes.cpython-312.pyc
|-- ... (14 more files)
|-- _box_convert.py
|-- _register_onnx_ops.py
|-- _utils.py
|-- boxes.py
|-- ... (15 more files)
|-- prototype/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- datasets/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _api.cpython-312.pyc
|-- _folder.cpython-312.pyc
|-- _home.cpython-312.pyc
|-- benchmark.cpython-312.pyc
|-- ... (1 more files)
|-- _api.py
|-- _builtin/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- caltech.cpython-312.pyc
|-- celeba.cpython-312.pyc
|-- cifar.cpython-312.pyc
|-- clevr.cpython-312.pyc
|-- ... (18 more files)
|-- caltech.py
|-- caltech101.categories
|-- caltech256.categories
|-- celeba.py
|-- ... (33 more files)
|-- _folder.py
|-- _home.py
|-- benchmark.py
|-- ... (4 more files)
|-- utils/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- _dataset.cpython-312.pyc
|-- _encoded.cpython-312.pyc
|-- _internal.cpython-312.pyc
|-- _resource.cpython-312.pyc
|-- _dataset.py
|-- _encoded.py

```



```

        |-- _internal.py
        |-- _resource.py
|-- models/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- depth/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
        |-- stereo/
            |-- __init__.py
            |-- __pycache__/
                |-- __init__.cpython-312.pyc
                |-- crestereo.cpython-312.pyc
                |-- raft_stereo.cpython-312.pyc
            |-- crestereo.py
            |-- raft_stereo.py
|-- transforms/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _augment.cpython-312.pyc
        |-- _geometry.cpython-312.pyc
        |-- _misc.cpython-312.pyc
        |-- _presets.cpython-312.pyc
        |-- ... (1 more files)
    |-- _augment.py
    |-- _geometry.py
    |-- _misc.py
    |-- _presets.py
    |-- ... (2 more files)
|-- tv_tensors/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _label.cpython-312.pyc
    |-- _label.py
|-- utils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _internal.cpython-312.pyc
    |-- _internal.py
|-- transforms/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _functional_pil.cpython-312.pyc
        |-- _functional_tensor.cpython-312.pyc
        |-- _functional_video.cpython-312.pyc
        |-- _presets.cpython-312.pyc
        |-- ... (4 more files)

```

```

|-- _functional_pil.py
|-- _functional_tensor.py
|-- _functional_video.py
|-- _presets.py
|-- ... (6 more files)
|-- v2/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _augment.cpython-312.pyc
|       |-- _auto_augment.cpython-312.pyc
|       |-- _color.cpython-312.pyc
|       |-- _container.cpython-312.pyc
|       |-- ... (8 more files)
|   |-- _augment.py
|   |-- _auto_augment.py
|   |-- _color.py
|   |-- _container.py
|   |-- ... (10 more files)
|   |-- functional/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- _augment.cpython-312.pyc
|           |-- _color.cpython-312.pyc
|           |-- _deprecated.cpython-312.pyc
|           |-- _geometry.cpython-312.pyc
|           |-- ... (5 more files)
|       |-- _augment.py
|       |-- _color.py
|       |-- _deprecated.py
|       |-- _geometry.py
|       |-- ... (6 more files)
|-- tv_tensors/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- _bounding_boxes.cpython-312.pyc
|       |-- _dataset_wrapper.cpython-312.pyc
|       |-- _image.cpython-312.pyc
|       |-- _mask.cpython-312.pyc
|       |-- ... (3 more files)
|   |-- _bounding_boxes.py
|   |-- _dataset_wrapper.py
|   |-- _image.py
|   |-- _mask.py
|   |-- ... (4 more files)
|-- torchvision-0.22.1.dist-info/
|   |-- INSTALLER
|   |-- LICENSE
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL

```

```
|-- ... (1 more files)
|-- tqdm/
|   |-- __init__.py
|   |-- __main__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- __main__.cpython-312.pyc
|       |-- _dist_ver.cpython-312.pyc
|       |-- _main.cpython-312.pyc
|       |-- _monitor.cpython-312.pyc
|       |-- ... (18 more files)
|   |-- _dist_ver.py
|   |-- _main.py
|   |-- _monitor.py
|   |-- ... (22 more files)
|   |-- contrib/
|       |-- __init__.py
|       |-- __pycache__/
|           |-- __init__.cpython-312.pyc
|           |-- bells.cpython-312.pyc
|           |-- concurrent.cpython-312.pyc
|           |-- discord.cpython-312.pyc
|           |-- itertools.cpython-312.pyc
|           |-- ... (4 more files)
|       |-- bells.py
|       |-- concurrent.py
|       |-- discord.py
|       |-- itertools.py
|       |-- ... (5 more files)
|-- tqdm-4.67.1.dist-info/
|   |-- INSTALLER
|   |-- LICENCE
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL
|   |-- ... (2 more files)
|-- typing_extensions-4.14.0.dist-info/
|   |-- INSTALLER
|   |-- METADATA
|   |-- RECORD
|   |-- WHEEL
|   |-- licenses/
|       |-- LICENSE
|-- tzdata/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- zoneinfo/
|   |-- Africa/
|       |-- Abidjan
|       |-- Accra
|       |-- Addis_Ababa
|       |-- Algiers
```

```
|-- Asmara
|-- ... (51 more files)
|-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- America/
    |-- Adak
    |-- Anchorage
    |-- Anguilla
    |-- Antigua
    |-- Araguaina
    |-- Argentina/
        |-- Buenos_Aires
        |-- Catamarca
        |-- ComodRivadavia
        |-- Cordoba
        |-- Jujuy
        |-- ... (10 more files)
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
|-- ... (144 more files)
|-- Indiana/
    |-- Indianapolis
    |-- Knox
    |-- Marengo
    |-- Petersburg
    |-- Tell_City
    |-- ... (5 more files)
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- Kentucky/
    |-- Louisville
    |-- Monticello
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- North_Dakota/
    |-- Beulah
    |-- Center
    |-- New_Salem
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
|-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- Antarctica/
    |-- Casey
    |-- Davis
    |-- DumontDUrville
    |-- Macquarie
    |-- Mawson
    |-- ... (9 more files)
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
```

```
|-- Arctic/
    |-- Longyearbyen
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- Asia/
    |-- Aden
    |-- Almaty
    |-- Amman
    |-- Anadyr
    |-- Aqtau
    |-- ... (96 more files)
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- Atlantic/
    |-- Azores
    |-- Bermuda
    |-- Canary
    |-- Cape_Verde
    |-- Faeroe
    |-- ... (9 more files)
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- Australia/
    |-- ACT
    |-- Adelaide
    |-- Brisbane
    |-- Broken_Hill
    |-- Canberra
    |-- ... (20 more files)
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- Brazil/
    |-- Acre
    |-- DeNoronha
    |-- East
    |-- West
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- CET
|-- CST6CDT
|-- Canada/
    |-- Atlantic
    |-- Central
    |-- Eastern
    |-- Mountain
    |-- Newfoundland
    |-- ... (5 more files)
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
|-- Chile/
    |-- Continental
```

```
|-- EasterIsland
|-- __init__.py
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|-- Cuba
|-- EET
|-- EST
|-- ... (64 more files)
|-- Etc/
|   |-- GMT
|   |-- GMT+0
|   |-- GMT+1
|   |-- GMT+10
|   |-- GMT+11
|   |-- ... (32 more files)
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- Europe/
|   |-- Amsterdam
|   |-- Andorra
|   |-- Astrakhan
|   |-- Athens
|   |-- Belfast
|   |-- ... (61 more files)
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- Indian/
|   |-- Antananarivo
|   |-- Chagos
|   |-- Christmas
|   |-- Cocos
|   |-- Comoro
|   |-- ... (8 more files)
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- Mexico/
|   |-- BajaNorte
|   |-- BajaSur
|   |-- General
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- Pacific/
|   |-- Apia
|   |-- Auckland
|   |-- Bougainville
|   |-- Chatham
|   |-- Chuuk
|   |-- ... (41 more files)
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|-- US/
|   |-- Alaska
```

```

        |-- Aleutian
        |-- Arizona
        |-- Central
        |-- East-Indiana
        |-- ... (9 more files)
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- zones
|-- tzdata-2025.2.dist-info/
    |-- INSTALLER
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- licenses/
        |-- LICENSE
        |-- licenses/
            |-- LICENSE_APACHE
    |-- top_level.txt
|-- ultralytics/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- assets/
        |-- bus.jpg
        |-- zidane.jpg
    |-- cfg/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
    |-- datasets/
        |-- Argoverse.yaml
        |-- DOTAv1.5.yaml
        |-- DOTAv1.yaml
        |-- GlobalWheat2020.yaml
        |-- HomeObjects-3K.yaml
        |-- ... (29 more files)
    |-- default.yaml
    |-- models/
        |-- 11/
            |-- yolol11-cls-resnet18.yaml
            |-- yolol11-cls.yaml
            |-- yolol11-obb.yaml
            |-- yolol11-pose.yaml
            |-- yolol11-seg.yaml
            |-- ... (3 more files)
        |-- 12/
            |-- yolol12-cls.yaml
            |-- yolol12-obb.yaml
            |-- yolol12-pose.yaml
            |-- yolol12-seg.yaml
            |-- yolol12.yaml

```

```
|-- rt-detr/
    |-- rtdetr-l.yaml
    |-- rtdetr-resnet101.yaml
    |-- rtdetr-resnet50.yaml
    |-- rtdetr-x.yaml
|-- v10/
    |-- yolov10b.yaml
    |-- yolov10l.yaml
    |-- yolov10m.yaml
    |-- yolov10n.yaml
    |-- yolov10s.yaml
    |-- ... (1 more files)
|-- v3/
    |-- yolov3-spp.yaml
    |-- yolov3-tiny.yaml
    |-- yolov3.yaml
|-- v5/
    |-- yolov5-p6.yaml
    |-- yolov5.yaml
|-- v6/
    |-- yolov6.yaml
|-- v8/
    |-- yoloe-v8-seg.yaml
    |-- yoloe-v8.yaml
    |-- yolov8-cls-resnet101.yaml
    |-- yolov8-cls-resnet50.yaml
    |-- yolov8-cls.yaml
    |-- ... (14 more files)
|-- v9/
    |-- yolov9c-seg.yaml
    |-- yolov9c.yaml
    |-- yolov9e-seg.yaml
    |-- yolov9e.yaml
    |-- yolov9m.yaml
    |-- ... (2 more files)
|-- trackers/
    |-- botsort.yaml
    |-- bytetrack.yaml
|-- data/
    |-- __init__.py
    |-- __pycache__/
    |-- __init__.cpython-312.pyc
    |-- annotator.cpython-312.pyc
    |-- augment.cpython-312.pyc
    |-- base.cpython-312.pyc
    |-- build.cpython-312.pyc
    |-- ... (6 more files)
|-- annotator.py
|-- augment.py
|-- base.py
|-- build.py
|-- ... (8 more files)
|-- scripts/
```



```

|-- download_weights.sh
|-- get_coco.sh
|-- get_coco128.sh
|-- get_imagenet.sh
|-- engine/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- exporter.cpython-312.pyc
|-- model.cpython-312.pyc
|-- predictor.cpython-312.pyc
|-- results.cpython-312.pyc
|-- ... (3 more files)
|-- exporter.py
|-- model.py
|-- predictor.py
|-- results.py
|-- ... (4 more files)
|-- hub/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- auth.cpython-312.pyc
|-- session.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- auth.py
|-- google/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- session.py
|-- utils.py
|-- models/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- fastsam/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- model.cpython-312.pyc
|-- predict.cpython-312.pyc
|-- utils.cpython-312.pyc
|-- val.cpython-312.pyc
|-- model.py
|-- predict.py
|-- utils.py
|-- val.py
|-- nas/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- model.cpython-312.pyc

```

```

|-- predict.cpython-312.pyc
|-- val.cpython-312.pyc
|-- model.py
|-- predict.py
|-- val.py
|-- rtdetr/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- model.cpython-312.pyc
|-- predict.cpython-312.pyc
|-- train.cpython-312.pyc
|-- val.cpython-312.pyc
|-- model.py
|-- predict.py
|-- train.py
|-- val.py
|-- sam/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- amg.cpython-312.pyc
|-- build.cpython-312.pyc
|-- model.cpython-312.pyc
|-- predict.cpython-312.pyc
|-- amg.py
|-- build.py
|-- model.py
|-- modules/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- blocks.cpython-312.pyc
|-- decoders.cpython-312.pyc
|-- encoders.cpython-312.pyc
|-- memory_attention.cpython-312.pyc
|-- ... (4 more files)
|-- blocks.py
|-- decoders.py
|-- encoders.py
|-- memory_attention.py
|-- ... (5 more files)
|-- predict.py
|-- utils/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- loss.cpython-312.pyc
|-- ops.cpython-312.pyc
|-- loss.py
|-- ops.py
|-- yolo/
|-- __init__.py

```

```
|-- __pycache__/
|   |-- __init__.cpython-312.pyc
|   |-- model.cpython-312.pyc
|-- classify/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- predict.cpython-312.pyc
|       |-- train.cpython-312.pyc
|       |-- val.cpython-312.pyc
|   |-- predict.py
|   |-- train.py
|   |-- val.py
|-- detect/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- predict.cpython-312.pyc
|       |-- train.cpython-312.pyc
|       |-- val.cpython-312.pyc
|   |-- predict.py
|   |-- train.py
|   |-- val.py
|-- model.py
|-- obb/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- predict.cpython-312.pyc
|       |-- train.cpython-312.pyc
|       |-- val.cpython-312.pyc
|   |-- predict.py
|   |-- train.py
|   |-- val.py
|-- pose/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- predict.cpython-312.pyc
|       |-- train.cpython-312.pyc
|       |-- val.cpython-312.pyc
|   |-- predict.py
|   |-- train.py
|   |-- val.py
|-- segment/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- predict.cpython-312.pyc
|       |-- train.cpython-312.pyc
|       |-- val.cpython-312.pyc
|   |-- predict.py
|   |-- train.py
```

```

    |-- val.py
|-- world/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- train.cpython-312.pyc
        |-- train_world.cpython-312.pyc
    |-- train.py
    |-- train_world.py
|-- yoloe/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- predict.cpython-312.pyc
        |-- train.cpython-312.pyc
        |-- train_seg.cpython-312.pyc
        |-- val.cpython-312.pyc
    |-- predict.py
    |-- train.py
    |-- train_seg.py
    |-- val.py
|-- nn/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- autobackend.cpython-312.pyc
        |-- tasks.cpython-312.pyc
        |-- text_model.cpython-312.pyc
    |-- autobackend.py
|-- modules/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- activation.cpython-312.pyc
        |-- block.cpython-312.pyc
        |-- conv.cpython-312.pyc
        |-- head.cpython-312.pyc
        |-- ... (2 more files)
    |-- activation.py
    |-- block.py
    |-- conv.py
    |-- head.py
    |-- ... (3 more files)
    |-- tasks.py
    |-- text_model.py
|-- solutions/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- ai_gym.cpython-312.pyc
        |-- analytics.cpython-312.pyc
        |-- config.cpython-312.pyc
        |-- distance_calculation.cpython-312.pyc

```

```

    |-- ... (15 more files)
|-- ai_gym.py
|-- analytics.py
|-- config.py
|-- distance_calculation.py
|-- ... (17 more files)
|-- templates/
    |-- similarity-search.html
|-- trackers/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- basetrack.cpython-312.pyc
        |-- bot_sort.cpython-312.pyc
        |-- byte_tracker.cpython-312.pyc
        |-- track.cpython-312.pyc
    |-- basetrack.py
    |-- bot_sort.py
    |-- byte_tracker.py
    |-- track.py
    |-- utils/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- gmc.cpython-312.pyc
            |-- kalman_filter.cpython-312.pyc
            |-- matching.cpython-312.pyc
        |-- gmc.py
        |-- kalman_filter.py
        |-- matching.py
|-- utils/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- autobatch.cpython-312.pyc
        |-- autodevice.cpython-312.pyc
        |-- benchmarks.cpython-312.pyc
        |-- checks.cpython-312.pyc
        |-- ... (15 more files)
    |-- autobatch.py
    |-- autodevice.py
    |-- benchmarks.py
    |-- callbacks/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- base.cpython-312.pyc
            |-- clearml.cpython-312.pyc
            |-- comet.cpython-312.pyc
            |-- dvc.cpython-312.pyc
            |-- ... (6 more files)
        |-- base.py
        |-- clearml.py

```

```

        |-- comet.py
        |-- dvc.py
        |-- ... (7 more files)
    |-- checks.py
    |-- ... (17 more files)
|-- ultralytics-8.3.151.dist-info/
    |-- INSTALLER
    |-- METADATA
    |-- RECORD
    |-- REQUESTED
    |-- WHEEL
    |-- ... (3 more files)
    |-- licenses/
    |-- LICENSE
|-- ultralytics_thop-2.0.14.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- ... (1 more files)
|-- urllib3/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- _base_connection.cpython-312.pyc
        |-- _collections.cpython-312.pyc
        |-- _request_methods.cpython-312.pyc
        |-- _version.cpython-312.pyc
        |-- ... (7 more files)
    |-- _base_connection.py
    |-- _collections.py
    |-- _request_methods.py
    |-- _version.py
    |-- ... (12 more files)
|-- contrib/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- pyopenssl.cpython-312.pyc
        |-- socks.cpython-312.pyc
    |-- emscripten/
        |-- __init__.py
        |-- __pycache__/
            |-- __init__.cpython-312.pyc
            |-- connection.cpython-312.pyc
            |-- fetch.cpython-312.pyc
            |-- request.cpython-312.pyc
            |-- response.cpython-312.pyc
        |-- connection.py
        |-- emscripten_fetch_worker.js
        |-- fetch.py
        |-- request.py

```

```

        |-- ... (2 more files)
    |-- pyopenssl.py
    |-- socks.py
|-- http2/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- connection.cpython-312.pyc
        |-- probe.cpython-312.pyc
    |-- connection.py
    |-- probe.py
|-- util/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- connection.cpython-312.pyc
        |-- proxy.cpython-312.pyc
        |-- request.cpython-312.pyc
        |-- response.cpython-312.pyc
        |-- ... (8 more files)
    |-- connection.py
    |-- proxy.py
    |-- request.py
    |-- response.py
    |-- ... (9 more files)
|-- urllib3-2.4.0.dist-info/
    |-- INSTALLER
    |-- METADATA
    |-- RECORD
    |-- WHEEL
    |-- licenses/
    |-- LICENSE.txt
|-- yaml/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
        |-- composer.cpython-312.pyc
        |-- constructor.cpython-312.pyc
        |-- cyaml.cpython-312.pyc
        |-- dumper.cpython-312.pyc
        |-- ... (12 more files)
    |-- _yaml.cp312-win_amd64.pyd
    |-- composer.py
    |-- constructor.py
    |-- cyaml.py
    |-- ... (14 more files)
|-- Scripts/
    |-- Activate.ps1
    |-- activate
    |-- activate.bat
    |-- cpuinfo.exe
    |-- deactivate.bat
    |-- ... (21 more files)

```

```
|-- pyvenv.cfg
|-- share/
|   |-- man/
|       |-- man1/
|           |-- isympy.1
|           |-- ttx.1
|-- .vscode/
|-- Datasets/
|   |-- Drive_Dataset/
|       |-- README.dataset.txt
|       |-- README roboflow.txt
|       |-- data.yaml
|       |-- train/
|           |-- images/
|               |-- 04ff146c-13216e9b-c11_jpg.rf.07a1259bf56b5fe920d9d3b8f37240e9.jpg
|               |-- 04ff146c-13216e9b-c11_jpg.rf.0e7d1af02c460b5076cdff1250c08b91.jpg
|               |-- 04ff146c-13216e9b-c11_jpg.rf.180593fe419abbe82b84ead9b2f077bf.jpg
|               |-- 04ff146c-13216e9b-c11_jpg.rf.1953be29e0ab964595be9043e9166c4c.jpg
|               |-- 04ff146c-13216e9b-c11_jpg.rf.1accee6a9ce0542f783ddd6f0f07876b.jpg
|               |-- ... (757 more files)
|           |-- labels/
|               |-- 04ff146c-13216e9b-c11_jpg.rf.07a1259bf56b5fe920d9d3b8f37240e9.txt
|               |-- 04ff146c-13216e9b-c11_jpg.rf.0e7d1af02c460b5076cdff1250c08b91.txt
|               |-- 04ff146c-13216e9b-c11_jpg.rf.180593fe419abbe82b84ead9b2f077bf.txt
|               |-- 04ff146c-13216e9b-c11_jpg.rf.1953be29e0ab964595be9043e9166c4c.txt
|               |-- 04ff146c-13216e9b-c11_jpg.rf.1accee6a9ce0542f783ddd6f0f07876b.txt
|               |-- ... (757 more files)
|-- Github_Dataset/
|   |-- README.dataset.txt
|   |-- README roboflow.txt
|   |-- data.yaml
|   |-- test/
|       |-- images/
|           |-- 200905_162344_0000000001_CAM1_NG_1_jpg.rf.ed9e4288a609d06fc00b4795d2f87591
|           |-- 200905_165109_0000000001_CAM1_NG_0_jpg.rf.e6c62ba8f875361c7d6240cc205a329d
|           |-- 200907_071105_0000000002_CAM1_NG_1_jpg.rf.039ea940eb3d93a88c759d2264fdcfb7
|           |-- 200907_072913_0000000001_CAM1_NG_1_jpg.rf.7a3a6de80401f63e26d8020047fea76b
|           |-- 200907_081135_0000000001_CAM1_NG_0_jpg.rf.fd915111bc262731b55136006f3a3731
|           |-- ... (286 more files)
|       |-- labels/
|           |-- 200905_162344_0000000001_CAM1_NG_1_jpg.rf.ed9e4288a609d06fc00b4795d2f87591
|           |-- 200905_165109_0000000001_CAM1_NG_0_jpg.rf.e6c62ba8f875361c7d6240cc205a329d
|           |-- 200907_071105_0000000002_CAM1_NG_1_jpg.rf.039ea940eb3d93a88c759d2264fdcfb7
|           |-- 200907_072913_0000000001_CAM1_NG_1_jpg.rf.7a3a6de80401f63e26d8020047fea76b
|           |-- 200907_081135_0000000001_CAM1_NG_0_jpg.rf.fd915111bc262731b55136006f3a3731
|           |-- ... (286 more files)
|-- train/
|   |-- images/
|       |-- 200905_161420_0000000008_CAM1_NG_0_jpg.rf.87ef0472b4fb760698b4111aba0f40c9
|       |-- 200905_161420_0000000008_CAM1_NG_0_jpg.rf.901f6374ded564ef44f0ab329a1bb668
|       |-- 200905_161420_0000000008_CAM1_NG_0_jpg.rf.adb8ea52c51a5ff96d9b04b9d5b33e07
|       |-- 200905_161420_0000000008_CAM1_NG_1_jpg.rf.6519c58777ccaa57062e379b698e56c5
|       |-- 200905_161420_0000000008_CAM1_NG_1_jpg.rf.b7df923fd8d5eb077b35d94956badfda
```



```
    |-- ... (6181 more files)
|-- labels/
    |-- 200905_161420_00000000008_CAM1_NG_0_jpg.rf.87ef0472b4fb760698b4111aba0f40c9
    |-- 200905_161420_00000000008_CAM1_NG_0_jpg.rf.901f6374ded564ef44f0ab329a1bb668
    |-- 200905_161420_00000000008_CAM1_NG_0_jpg.rf.adb8ea52c51a5ff96d9b04b9d5b33e07
    |-- 200905_161420_00000000008_CAM1_NG_1_jpg.rf.6519c58777ccaa57062e379b698e56c5
    |-- 200905_161420_00000000008_CAM1_NG_1_jpg.rf.b7df923fd8d5eb077b35d94956badfda
    |-- ... (6181 more files)
|-- valid/
    |-- images/
        |-- 200907_071105_00000000002_CAM1_NG_0_jpg.rf.0a77900ea34a39a9b62f742ab85a596f
        |-- 200907_071634_00000000001_CAM1_NG_0_jpg.rf.496305559a165d7aa439582c238aed0c
        |-- 200907_071634_00000000001_CAM1_NG_1_jpg.rf.7d6cce8971c9f2dfea23eaef9bf6ba2c
        |-- 200907_072646_00000000001_CAM1_NG_0_jpg.rf.e969c4a7c2be58299ad01089b7e293ef
        |-- 200907_080529_00000000001_CAM1_NG_0_jpg.rf.e31fbb3172586703eaa05313bb8f0f54
        |-- ... (587 more files)
    |-- labels/
        |-- 200907_071105_00000000002_CAM1_NG_0_jpg.rf.0a77900ea34a39a9b62f742ab85a596f
        |-- 200907_071634_00000000001_CAM1_NG_0_jpg.rf.496305559a165d7aa439582c238aed0c
        |-- 200907_071634_00000000001_CAM1_NG_1_jpg.rf.7d6cce8971c9f2dfea23eaef9bf6ba2c
        |-- 200907_072646_00000000001_CAM1_NG_0_jpg.rf.e969c4a7c2be58299ad01089b7e293ef
        |-- 200907_080529_00000000001_CAM1_NG_0_jpg.rf.e31fbb3172586703eaa05313bb8f0f54
        |-- ... (587 more files)
|-- Prediction_step.py
|-- README.md
|-- Test_images/
    |-- Experiment Photos/
        |-- PXL_20250525_094459478.MP.jpg
        |-- PXL_20250525_094504283.jpg
        |-- PXL_20250525_094504969.jpg
        |-- PXL_20250525_100532807.MP.jpg
        |-- PXL_20250525_100534824.MP.jpg
        |-- ... (14 more files)
|-- Verify_Labels.py
|-- classes_info.txt
|-- ... (11 more files)
|-- outputs/
    |-- aligned_plate.jpg
    |-- labels/
        |-- labels/
            |-- weld_seam.txt
        |-- weld_seam.jpg
    |-- labels2/
        |-- labels/
            |-- weld_seam.txt
        |-- weld_seam.jpg
    |-- labels3/
        |-- labels/
            |-- welding-porosity.txt
        |-- welding-porosity.jpg
    |-- labels4/
        |-- labels/
            |-- welding-porosity.txt
```

```
    |-- welding-porosity.jpg
|-- labels5/
    |-- labels/
        |-- welding-porosity.txt
    |-- welding-porosity.jpg
|-- labels6/
    |-- labels/
        |-- welding-porosity.txt
    |-- welding-porosity.jpg
|-- labels7/
    |-- labels/
        |-- weld_seam.txt
    |-- weld_seam.jpg
|-- labels8/
    |-- labels/
        |-- weld_seam.txt
    |-- weld_seam.jpg
|-- labels9/
    |-- labels/
        |-- weld_seam.txt
    |-- weld_seam.jpg
|-- weld_seam.jpg
|-- weights/
    |-- weld_seam.pt
    |-- welddefect_drive.pt
    |-- welddefect_github.pt
    |-- weldingPlate.pt
    |-- yolov8n.pt
```