

```
|-- .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/
|       |-- a4a498702c2edd155e2cf14ba55671b0bae6a2
|   |-- 07/
|       |-- 051c080984a5585334b97b7afc3ca318ad32dc
```

```
|-- 49a453ddc219ee865441e37c0ad4148e93487a
|-- 8455788a2faf44146bcd64a9a6fd0ce08675a1
|-- e69fca336cc2be6c4f49570c4dddfbd8847139b
|-- 08/
|-- 1ab16331c51af9f0ea2ce1a8e30419cb097bdc
|-- 28fed332b8d1dfe7505cca791c56bf02ddf5e8
|-- 3445f3511f9861eb6bef1c1783f19ad1a6e754
|-- 09/
|-- 2c63e4300f95c6d9abcfcc45516823054d1d77
|-- c9e2e2d791b88c533029e6cfd2c497ec67bc3f
|-- 0a/
|-- 17059dc66bbc941d5a88233d676fld36ae9d3f
|-- 0b/
|-- 13e1fcf23e5537c69deba07afb8b175a5aca6e
|-- 4ee2f6c6d9baa051beb9f1639f4cecc7baf28c
|-- 0c/
|-- 375fff30122fb1e8fa99b7b7cf43eff6afc881
|-- 6ef55616bab00e448c4fdbf959511d2bf0ba14
|-- 779271754ea440ebc4be06ca6e677b7ff32be4
|-- fd48f41c38b433d10112f07a36c564fb3bbc3b
|-- 0d/
|-- b4ca4b4d25d68a4497220353592645ca4f71bf
|-- 0e/
|-- 00ebb105e98b717f172add56293506d0a45fe3
|-- 4321abffed62ffa2f86eff6eec387cec5ef947
|-- 596e4140c1f8d8077eda13fcbbb670105885a9
|-- ed295f31f94a407fb5dec37032af544bb03231
|-- 0f/
|-- eecff63762fc3d5ade801254a84ab87656a221
|-- fc28aea6a8586eaf8d4f897df35b4ca1263e72
|-- 10/
|-- 118aa7fa98e8b8409ca9f8d2ce2b5803a42c97
|-- b99a5b0677c56ee8fb630b6cd932db9aa09f78
|-- c84295f389c335e05bd8ba24407f509bb3e410
|-- ff67eabf1f85e49addf3829091f6adec2943
|-- 11/
|-- 2d372e72a687a51a9450b87c26fd3e8182e87f
|-- 56de8ee28ec765fa49b9f88225177d0b48c30d
|-- a14cdc9f10aaffe5cfe1cc2f88447fa86d82af
|-- 12/
|-- 1b9742f9a024114f7c57a4afb9c7b8fc7ee92d
|-- 8ae82fa89a7ce84dcd9cbc5edaeac75a2518
|-- aeb97725dbf57ba3bf22937c14b7f1c19337a0
|-- bf4d150b28f7e01c8235387df5e14b1b780d11
|-- 13/
|-- 25064fb15f81258d966ad6aa58e575aae4113a
|-- 14/
|-- 0ef25bddb3f1679a607ab2e3cebd82e19bea0
|-- 28690172c75b70440cfa7d6b511326e6a8050b
|-- 375a7b575a5c0185cda5fa85b248c6183b89a1
|-- 9d6219c8ac29b515c1a70198d8c62db2086d06
|-- df805ffaed15996e049f31f7dfa89e854b2999
|-- ... (1 more files)
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```
|-- 15/
  |-- 3829a6e80f4c6c7220cd539182761d7b1a61e6
  |-- 8326841c148d23bef5732a35a5bfd95dec81a4
  |-- 94c247b6c74f5ee6c8aaab7e4e7c9ba75dba35
  |-- a2a57e74b3894920dc5150f6c3c4b33ae24585
|-- 16/
  |-- 591cd11bae44c90f161710fe46cf7a2203ab35
  |-- c381f7fb2c4d8220ad181c4b1ddb84ca01b157
|-- 17/
  |-- b1eaa5d3b2b360316eccc6fe5192a8736d56fd
  |-- fa5b6d7c80f92c8fa9df954c5e002222e43b60
|-- 18/
  |-- 146a1a0abdd9a45629f551c660aa11615c4a70
  |-- 17672384e0a532ab5c43cdab2b02900e66853b
  |-- 651f71ed4852b25c07a0a363bb625868954ac9
|-- 19/
  |-- 3d335d7d6bef55d9c61aa77f69c1bc45e3e3c2
|-- 1a/
  |-- 997f07505c410f18684044b3354a2eba7a7d90
|-- 1b/
  |-- 632bffbc20bf5fc8a2d227a6d6b08a5dd8226e
  |-- bb05aa4bbea4566d771858355bf227b3f219b8
  |-- f76a303796480b02e172d041a25c9e0838b91a
|-- 1c/
  |-- 9b107a2d78b3892dae8312e1f063c26ab0e126
|-- 1d/
  |-- 1553673cfae57040a164c3a411ed0fc7fd9af3
  |-- 9d9585afaf91bd0aa951d41587524a6c063bb0
  |-- a6311fe69a7790237f393a922b374496691b31
  |-- bbe91fede18f88309faa48a4a8eeled6205a58
  |-- e6a8c95e46db25bfff871d8f001b04088ee5922
|-- 1e/
  |-- 5d144338d80b7b86019e038a9d6ddd8e5db546
|-- 1f/
  |-- 4004999dc97887d448a7ad43a88960c36709fa
|-- 20/
  |-- 153e8503971eca9e860594d1506166259ca928
  |-- 513779c99145751462c2fe0e548f0a4869e991
  |-- 99827fd96f7f38562cad18fe8663a3c9b91d95
  |-- f1b82be7655f2b39de5438dc3d048da70a0d40
  |-- fbc668cc03f1f44792a2acd37fa6e6fbedeeba
|-- 21/
  |-- a6f8589ae71e1e381a553d0f0210e86abb0ea3
  |-- c057287af72c174e29d819a26fd8f8c5c14c34
|-- 22/
  |-- 5c835a926cd4b3f2fc8a290aebbb88e9fa00386
  |-- 8e0e6fff376b0501ad5a8579839442c1289a96c
  |-- dee924847d606de052fedcd5702b70fe4f9599
|-- 23/
  |-- bf88178949ca05893567c4a9c6d0cc23079938
|-- 24/
  |-- 328becf5441f3fc066811136b7af2d0ec6e211
  |-- 5169b83eb8df18bd0a11b6b6c78831c80718a9
```

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|-- 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
|-- 2d/
|-- 2303ca5204edf30aebf8bb1b517f0dc1040493
|-- 3d9df0298c2c31b8517449ea58fd2b5688dbd5
|-- 586fc6726bb9abfe9a169873ee931c587a296c
|-- a8a0ee0ea704dafc29740aef7bb3f3945b5ea1
|-- 2e/
|-- f27d4eaead863931e9e9a4fdf6381a10df4622
|-- 2f/
|-- 9d3aced5690d7a49e8bd35ea9445fce75d1922
|-- cb4962e6a5762103438f1e8e5ab2731966df8f
|-- 30/
|-- c5b9ab2bc8bcc2a90b5bc2d3fd6681cbee268f
|-- c729c012d270e7246481d544aa30ea51d86c76
|-- 31/
|-- c8160fdf4cc3276018938273a8a2d9a28cbfc3
|-- efc32a421a8a15ad66e6072d924dc7a5693beb
|-- 32/
|-- 2c4c684e6a168292a5cbb960b126c0e9094702
|-- d09c31589cabcb3962cd03875d74eaf373bda6
|-- eca08e142bdb0ec12073b426a1defd88333d9b
|-- 34/
|-- 54c44f8fa6e838ef963482e5d8e355f8c1a7ac
|-- 35/
|-- 4c3ab3ebf5cb51698003f2a13bb083f61a2b5b
|-- f8b5ff86022265d9aa2ebc5bb6cc7a7786eff1
|-- 37/
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|-- f059a4466cf920c24dbeec0b928e4df454b16d
|-- 38/
|-- 221687e3f84cbbb1b3662028dc7b0be9ddbfc
|-- 5e7bf19cc2b08606ae5ef1f2dd899b71c728ec
|-- a0a11e58186486eaae8dd5d721cf6b851b6400
|-- 39/
|-- 3eac57a680d8916c2747b5c437aa6d67fd37f4
|-- 8092e663f4c9ec459ded1633240d91d8544e90
|-- 3b/
|-- 6eec3ffa6bfd808e6d8efe5b50920b8580af6b
|-- bf8c2e3e39e381fdaf785de169d11ceadb54e9
|-- 3c/
|-- 14df7f76cd58793696456a48ef57444b806ceb
|-- 3d/
|-- 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/
|-- 26ffa445f16044a2b2a4a8cca15a92ba8a0e7a
|-- d178f14a7e81433eblleaf87f4f9526963f9fc3
|-- 45/
|-- 307cdd92ed772f6fbbaac28025e5ca0f0fd89a
|-- 5a440afd2bbd7854669e0c3f266f5788abf320
|-- 77e22a1ae74cce5d0f993e27e762d9a27f7c95
|-- 46/
|-- 6274fdfa5a402db4a6fbe025d170aaaf5e12d9
|-- 9a556cd57fa08732f065ba69cb86244b00af9d
|-- 48/
|-- 12686dcf93785794ff332bba7c3ec0599f6d32
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```
|-- 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
|-- 54/
  |-- 0a9caf1f94d43dad3f4a8196f4f55c055feff0
  |-- 3fc15dbbc9d120340cf30b1b01df7a28384762
  |-- c6ac95a436529c9df32d48cba32d1a7ef9429f
  |-- fa0ba5a4d733bd143dab23f8014ce8a4dd47db
|-- 55/
  |-- 0909a16e8cae6da57516ab2280dd1380acaed1
  |-- 66a7afc7f26ed8731d26248bc2e053b07fa8
  |-- f782a47d29c0f1d3c51724b7aa14e971ded9c4
|-- 56/
  |-- 2519eb77e571d1bce03bdbd5fdeb4ea98e6312
  |-- ad1520e80a8a26dc961d25ababelf8ad2840c5
```

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|-- 57/
|-- 176fb5f965a388214e21e2f5ff4e7fe98a36f3
|-- 30e6288d957adcb13d1364e75b47d192b09e71
|-- 65f44e4de0098ca0536b36a661a305121421cb
|-- 9647787cf1e254f52c51356f31664c896990e8
|-- d98d961503a1204dff16d55f600f478e119973
|-- 58/
|-- 6665ea5debe87f0b0a2e510e59a3e84cbaf0b5
|-- 7f1f476f6c9d8f6a1fc04087fbcba1d8a956fd
|-- c4b6fb11d4f25c52ef15d7d967895693d440e1
|-- 59/
|-- 2a796779d2e5348da70685b81b99e795b8e8ec
|-- bb026ccfd2e35a0744d25dfdbb7db56f1872cd
|-- 5a/
|-- 03ba4e31d3cc86d8b5f0441b168aed0a8cb8ba
|-- 2f4af6db546e195562853b1156c74fdad228f4
|-- c49efe8bdd9a254b6e198ee912f0c924c53e3b
|-- 5b/
|-- a127a7d0ec29a357ae1b2991c42290b7697e88
|-- bb87b393a02fbc0bf050f9c2c4fab2983e8a6e
|-- 5c/
|-- 205ce0a8de219d1a2d1615b60cf3c4aa47fc7b
|-- 7afb79c448bd66413279576594f2cec82ea350
|-- 831c86c3afc0883ae7634b679995d0ffd3ace2
|-- 5d/
|-- 3c770d2ebdd6c94761fa195174e4e637347c82
|-- 88a9f958cdae21f7867927b744fad495b7855a
|-- 5e/
|-- daee257ef0180e80757653daf280a9f8784c96
|-- 5f/
|-- 0ce0a98229ec89bd26e23cb113253534dfd267
|-- bec68ed74267f24cb5e49977b4417795760989
|-- 60/
|-- 09ef622780cd2656504fcf370cac5c4b6cd5bc
|-- 2030ff035af5770caec124f828a65f0a9804e9
|-- 270d2a466fd392206ced5a018c84ba96b938b1
|-- bb9d4520c3fa42b85bccd791f4e7adcc0b82dc
|-- f6988f527e2ffcad304a8fc9cea0acd5dacd7
|-- ... (1 more files)
|-- 61/
|-- 7008908436daeda321f2a338c834d231accad6
|-- b45d5a31b95bcfcd7ccad4e3e868bd322329f1
|-- c532f4762d3075b33b36ac60c14abbee0ec613
|-- fe56941214080ad8ea19b5663bd1dbc220f35a
|-- 62/
|-- 1dfe2156920adc00fc388893f8acacc755c51d
|-- 50a7f1650a96fc6bca906874c631f7f54caabf
|-- 63/
|-- a64c094321298c7b1cfef29bd81f1084b73dcb
|-- b2bdd347af8c3afd9cb07bce7d2a4eb40ac95f
|-- ce3d8f0be66095d5e4be1300be05067bdb0a77
|-- e2d74824bf3d4f2463709a2d2ef036280d702c
|-- 64/
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```
|-- 38ca62d7c1c728927a049e4fad0cf672ba0de0
|-- 6878fbe83d833d4ba1737b2f5b855de1932ee6
|-- e5150795885525981e5e2e20a78c2674cdfef0
|-- 65/
|-- 9d63b9f23f7d3128745eac418593f8ed03e1f4
|-- c5eec5ddc6586c23c75c54dcfaa25d1066d02b
|-- 66/
|-- beacb4746a13487154571cf936e490b16f2326
|-- 67/
|-- 07b47c80fd2ad0f337e5f50a3fc82117e79754
|-- 4528b182cecd1e0154a602bff3d310feaaafb56
|-- a7ef6ddc7fbd6509c1191998a255cf1b58aaaf
|-- 68/
|-- 7a1bcf7123c65c95d42dacdfd0f357547f7877
|-- a00957476975d6a97e5ca25d2e5adc80b74f08
|-- dda6e48b2571b9a9e911a4410126e8414d730b
|-- 69/
|-- 518709bc2cda42788554af7c7b09e7af3a292c
|-- 882563906b40e7ce595c37edc08998e1586567
|-- 938d522fa476d7f3855a63e77d4c6a0173c0a0
|-- 6b/
|-- 7fa43ddbf4899fd35882687caad0a7f1f2464b
|-- b4adecddc5fb3a41b4437a23255e61f848b25b
|-- f81a05637789647ae197cc60e31f4cc064cd76
|-- 6c/
|-- 8e5140be66838181ca830cdbc1eb83d7071718
|-- c88a3872e695ee3b37de0da976e94077a30c34
|-- 6d/
|-- bd7ea527ba55341d2c5f09250bee2066c7f646
|-- 6e/
|-- 00a9c8d8e2e4779f9d8508470e0a57681c53ee
|-- 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
|-- c48bd0a727f8bc2d48fabfa3c2af69224a0171
|-- 79/
|-- 8619505acb6d6375ab9d85f5d779d315fba2df
|-- 979d4d0df33b54f2b0ebd0b8a9c2e963a5724d
|-- bcce9a1267d85093465b4941a3183946d2dcac
|-- f73bf40722b192170ed62b454d20cbefc0877c
|-- 7a/
|-- 51622de43f023ada7e3b411df0f3106d36f7ad
|-- 66ed9b916313c9c3f22431b20cf6ce45325a06
|-- 7b/
|-- 15a77dd93147b70d9da0fce53f8f3592666b8c
|-- 3d5318e18d07bacb87380f095a855b118978db
|-- 806f3c28897d4e722f3d14b362c33b9227415c
|-- 7c/
|-- 1fc91244e999b7a5064b950ce9472c593430a7
|-- 606d1bcfdclb7f7fb6c988a87695bd8abad4dd
|-- 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
|-- 89/
|-- a5eb1717d06b6ea70d7a8e63ealc3bcc00f5de
|-- 8a/
|-- 3ec34d4f0bf3b3f2b28b4d8ce73ca006fb1ab8
|-- f5f0032c8aee941a0cbeb0c03f24c94a2e5672
|-- 8b/
|-- 093748fab9542a086b12a880d35aa9ef521ba5
|-- 2f9cb0812b5fb944a9a3c0d13fb27c1fbbc679
|-- e27c59020036f1501c9548e9679858ee6ab8b8
|-- 8c/
|-- 25526ebc135f4a6ec1857e330dd789b88d0fc5
|-- bbd5980a99a29cedf5e4a12bbaeb7680d5009d
|-- 8d/
|-- 95fd59780eda7574886570f33f7acaf2a81135
|-- b7098521aaefdbf2f794b39aaf4fad053c81f0
|-- 8f/
|-- 202f5ed42463a14bb77d3da4c3487cb673605b
|-- b8f110aa8cceab2e2fa6fe2d95ffcae1f9f55a
|-- 90/
|-- 8521a1f4ac424c475dc293ffbl7f3294d892bc
|-- 8a0fadd8b4fd1134d50bba933144aa1943f9f0
|-- 91/
|-- 1b388f03c2626bf2907425376021cea017415b
|-- 6b5fc01cd85e6f45f33d2ccdd683e664c329c0
|-- d50c9e4adc4ded5c02b73a83e150675f21a3d6
|-- 92/
|-- 16bd54cfef763b9b87069f142d7c1f7be43b1d
|-- 42ea0c46a03d28e16065c68728694e735e424b
|-- 76c0ffffff49c2446b3a537dc1bcf0bb4bd06d1
```

```
|-- f9b261aa4dccda8f05a8011900fa556ee20b6c
|-- 93/
|  |-- 59a9d7a13ac82df12d509ad6727263eaf198a0
|  |-- 8f32d015c19bfa20bc340f5158daa387a879f0
|  |-- ae5fbd4560b96ca55eaaflc1c64f132a7cd3b3
|  |-- ca68363dd5fc329044bb6f4885560ddd17c583
|  |-- f8fad96d8a9ebc8cb09d7a6f6b09335be79693
|-- 94/
|  |-- 98dfb985a2a422e29aa05645a7ea658a7fecc2
|  |-- c74fcbbfffc68a47edc897214e8e3d5267209e6
|-- 95/
|  |-- cdd962b4249cd304fb4803e79c18f0ca496ccb
|-- 96/
|  |-- a329641eb0269472c8b597dbc9176fbf55584b
|  |-- f064924d9381494c30afc0a36f46bb29f9d386
|-- 97/
|  |-- 3ea082f5952d9286ae9f515ef95306804eaf46
|  |-- 656eca00e4b3b898769242e4d19bfbfc059a5d
|  |-- a8b3022f2de70453e1c8488f3a92a530f52df5
|-- 98/
|  |-- 7234a3c8d73e025f3714b741150f2abc6bb635
|  |-- e90afa2d526dc8c6277f5c6fd35a45a82dc9e2
|  |-- ef350fa72519aff948930854d2dc5d6692652b
|-- 99/
|  |-- ae0b0bea1847fca30d4e61ce61eab79a275196
|-- 9a/
|  |-- 160382f83cfec0b7bcd07d6355a31790fb9f9
|  |-- 9391f47373ac35cd59c28286e1c022a8f64d4d
|  |-- bafdcbe93f17a1ac95148ff822b31935365473
|  |-- cdf1ce408437fd0b9c0a9af87632ea1889a11d
|  |-- d6415dda288fab45d0742de5ff5cd92c33250e
|  |-- ... (2 more files)
|-- 9b/
|  |-- 28a838c01fc26268b897e2c90586c0600e0adb
|  |-- ff33aed72f6e90cce6212c1a50df9a79b5917d
|-- 9c/
|  |-- 5234043d70afbb9d04696391c652a6ab23e3a3
|  |-- 54c54331dd7afc4fdfdcbcf0cf9f62b6c2139f
|  |-- 8c7498fb8af82c0144d3c8a360f5b3c5a13d7a
|-- 9d/
|  |-- 4d9fe2b879a264b1e710426f381dd5c51e5b73
|  |-- e235d92f911c81edb63d229991163c2e58616e
|-- 9e/
|  |-- 24697db01d02f41870dd36b0db844bffb103b7
|  |-- 25fed3128ec81359d876fe9ad331d86ba09cd4
|-- 9f/
|  |-- fb78f53ad72e9725a057cb522ca3faeb9b08ae
|-- a0/
|  |-- 29687a8d5529663afabca9adf5da6dc21b59e7
|-- a1/
|  |-- dd6628e84f69884bf45151e5affccd146e500f
|  |-- f60b737a8fda40661699e2d0a41ad02a372ea2
|-- a2/
```

```
|-- 143c2366bc29086eb7e83ec5966e3c08f8e2e9
|-- 1f965325c4a4132745370ce9d948ccd52590fa
|-- 905c232c0a5173479cbfc4b9777d370b8cf7aa
|-- 9159c08ea776a7b1edc56dda0e40a324c6c874
|-- a3/
|-- 3ded5854ef85254f5462940915b2ae0fbe879f
|-- 8f9204fe677502e2ec90777bae78f2c6cbc423
|-- 94204049d814d14dd8a362132f8202fa5aedb8
|-- d0eebd4837c5f49045999812085eabl1b1bde43
|-- 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
|-- b570d46d1cae379e2cc7fde097608002cbcl5
|-- f0afa7332c0418162c994912ad49d538ac9c43
|-- b3/
|-- 2ae5df0e610b32c25a3c2ea2184be570730e31
|-- 5c72122afee3b0517b69ed665e009f166feccf
|-- f2803cf7ebbf1d513972f741ff9ea057e228a
|-- b4/
|-- 6c933fe91aca5f20502be98102aa12985da407
|-- b9e96b77441d3c0c1c77003599284f6b8c0ef8
|-- f613c632cbcd4d95de8eced10f5f12f61e7900
|-- b5/
|-- b12d209472c8e332a5a5cf1ac3e7b6bc6d14cb
|-- c65d03475778f8d94e664e1180b1047ae16153
|-- f25d969af065b86294d3ba6d45b043887906d3
|-- b6/
|-- 546404136b729ea0fa37fb9be3583479416617
|-- edfd0d11282ac2b27469d7ed12f14f7770057d
|-- b7/
|-- 10ad07809078bdf8a78ff1b21b2d07f7fb8341
|-- 11156d9d2a449f41009dc178050c35c764e9c8
|-- b9/
|-- 620fe00bfa7b362fe6dc11df3c2db9b6caa69b
|-- 8cb09f4233cdd1a2a27e68ceflf0cbcl5e2e
|-- 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/
```

```
|-- b31f8d8778bf853690c054851807f07981f944
|-- c2/
|  |-- 3a22266fa0d60555eb34002656165d2a0fb5fe
|  |-- a512261ca21758c687c355e0f147e49abac3be
|  |-- e504ece096d534aa12ef3a9f84538285ed62f3
|-- c3/
|  |-- 00e7561f12bebf8c07e61131948b627f010fcc
|  |-- 74cdc5c6d489651654c8c5c14f41ce0a0c722b
|  |-- cc47cd465e7f279cd01a3bb1a0c5fcc867a7db
|  |-- cf14ffa0215e1d3ccf7d461eacfae79d15c091
|  |-- d6b591cd96ce747cdf17f75a36aa08e6171a88
|-- c5/
|  |-- 2248bf4b28511d1a29a0d0a9ad080104bca27d
|  |-- 4a68c07bdb8114ef2adcba2c748eab6434c1a8
|  |-- bab4cc0a5659186c963a7f114b48dfb4fd67e4
|-- c6/
|  |-- 3000140d79342441ddce7fdcb46275dcf78e70
|  |-- a9c5c3c44fbc3bee410709daae11ff90c6ef9c
|  |-- dbcb70392d0957850b53646f09ea2ac6de23d9
|  |-- f671bb5b2d78f777237e7904b6f483d6006f2d
|-- c7/
|  |-- 1bb086e698b9ec3b221b08ce3757e67ff566e3
|  |-- e25c03de32f38f701c78f786d36e6a84178ac1
|-- c9/
|  |-- 72c5c16ceb74b3ea8df626a20ecae934fd5789
|  |-- 7767ae7c400e01f8101863f4e145fdf3dc0825
|  |-- 8acdada5f9ee49c5d2c00a0711b9d16264caad6
|-- ca/
|  |-- 010574f06e1e9db6542cfbe6426129a6bbcf46
|  |-- 5579ce633ef4a20cc0f14f30273a10cb6987a6
|  |-- c9847e8c164840bc369fec95a0ba5864f06c6e
|  |-- cfba3c26c12e024d92b31bc645641516a0458a
|-- cb/
|  |-- 44a945df83d6fe5fae614efa99867813837b1c
|  |-- b9f3bc3a00e3ad65cb5b7647da8e9258e0b060
|-- cc/
|  |-- d442c74e204559b10f487598f83194f3caf9e9
|  |-- ea30d9baa6e8c5e445b22f719b2b005cc4527a
|-- ce/
|  |-- 6fad374660d2e038dc89201a95c8ce6152797d
|  |-- 95fc494ed4a42c63556d4e316710f23a9ce667
|  |-- bd2adf76ae87dceac5b64456a75e622ddd58
|  |-- f86d5eb366d560e0ccb1c4e270cf9c79be9d41
|-- cf/
|  |-- 095c9bd2e61440bb8d03ab93cd3bbec371ab4a
|  |-- 134af1df641ed02844848b0dba8b478684ab54
|-- d0/
|  |-- 59519f7823ecdf26132be68cc879d2324a80c2
|  |-- 82ea2ccc8fb5d028fb10d10f77031f7f645ee9
|  |-- 843f7f65c39d1bf8f1b304acf3ef3a18d22077
|-- d1/
|  |-- 757db7aec5448df0d66cb43db2d86e81544fbc
|  |-- cd048a29d2168698e3cbab1fde3403c982b457
```

```
|-- cd3a6afd56a38cdf0ee34f374245067b4f3aac
|-- dab4269c6fff46d0c1b3c7ad062221f7cf61a12
|-- d3/
|-- 44a58d367f92926d31c65de6e770e1f045284c
|-- 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/
|-- 7f341f456f10dd8a3bae8dd062a7d65de78f8c
|-- f6a80797c97fd0860bf345565c9f97cc8a4ea5
|-- fd6848fcae37fbf4c79c1b944b3fdbdc43ee56
|-- de/
|-- 4b546499f63c9cff7b8453c878449e8aa6f38a
|-- bf4e5cc98bbb9accdd99576a1112a4ccdcfa68
|-- df/
|-- 71288b802eb5afa90bf8b7f4c96b7ce55bb2e7
|-- 7843698e92c9658a7a821e91484e9e9b32ccdd
|-- e0/
|-- b1ad4db12b6c1920c14670aed4125d774d6fac
|-- be99e769aeaec075917ce91ba69b08e75391d1
|-- e1/
|-- 53da368c8e2833e753ad201081d2bd51a1b29a
|-- a8aef98d159749f7880575a31a573b25231938
|-- e2/
|-- 39f3adafc40609e17b70c2eba9f9e6f32ebcdb
|-- d70d78389c293f00495c84e1853ddca2fbda70
|-- d8f9fa4259871bd4c0c51fd78d27f0f1bcc032
|-- ed53c60e08d25cd989a9f418bea6f96077b115
|-- e3/
|-- 528da2b829cc80e765d14baee1dc79976f05bf
```

```
|-- 9c79b7c3d7ed7b202b4f4e5fd139dff4c0d962
|-- c2d5e7beb08232eb62f0e44c0ea05b84e30f8f
|-- e4/
|-- 42c4f63b63e25347bb0c789a05cef52489f139
|-- e5/
|-- 702085f0e40355fc75f65c8cd2e7230d181d59
|-- d2ffa92a0d7c265821b0489d567bc0be511305
|-- ec52473f56a44543aba60d997a753218d11c2c
|-- e6/
|-- 3e3505646abf69d5f4d6ae922c2ce29849f8cd
|-- 9de29bb2d1d6434b8b29ae775ad8c2e48c5391
|-- a2728171e51d00dc523ff104268849alddd9d2
|-- f9df1892415da571437b659e52eb6738e91961
|-- e7/
|-- 3cac8d2938cd686a9ef610451a20039c65be5a
|-- 6bb4188e1d4f40293bc5a67733490a40936bb2
|-- 7213a21d2b183a72875e393d490771fa5eab7d
|-- c199eb8674eee9fa6e6f80eefa20e7438c8b9c
|-- e8/
|-- 242255c2f62ca25214a468ca2779f70e079ba3
|-- 9ccf176c75206a40f3c565fb4da50173f6970d
|-- cd4a0f299678156683cabae134ec1746da50c4
|-- e9/
|-- 45da67cfa4dc41567e43b7613a725023760e5f
|-- 850cf4c3c1b663bf4959a571017014e4af3d99
|-- aab99c995557eb9bc91e6b9381d90cacbbe05f
|-- ea/
|-- 4a070a40a5e9a108ed72a7e5f5a900ef1010f5
|-- a5797faa9984e95ed5322997bb88709b2e65f5
|-- c214556c1004c4afef9e3f60d3c42c8eebc91b
|-- 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/
```



```
|-- 0eac5b65dab7ba0ded18dc82637ca1b65b4680
|-- 11491029431a1460d4bc3f1f9c8034d8458acf
|-- 89ba5e89143e5935e9c3a4c34391e3ece1427d
|-- 92d0c790f8cbe0307e926b98b23ab144593b55
|-- f4/
|-- 4eabf33add9da49073ad13e3a654d5506642e4
|-- 8840dfa28cac6f74140d4f6da462f8312aef29
|-- 9435acbef5a21e360aa33ea0ebbe71657aff7e
|-- f6d6395cf5dd0f4008ba569f9e95bb7ee77258
|-- f5/
|-- 124ebad0eb9d05710ccad78aaeb1eb83c9232e
|-- 7e1926f9b8a2b119b61402d345d782bd1ef258
|-- f6/
|-- 7b6679f6843a928fa304f0407adf9dfcabd06a
|-- 8061f51642989b7626da764ff036d9060e4193
|-- f7/
|-- 17a11dba80f3d95f86edd23fe294a27c70181a
|-- 1c234cd63755c42db6c94fcf5285b505221e01
|-- 6dbf23ed2b271bb78990e82701a1f35ebc1c8f
|-- 87080343d909d375a779a45efb11bca97f3ac0
|-- f8/
|-- 5e4bde8f70895e3f92f4b7ff36a2a6345b1606
|-- fba9cb2dfbdfb48b87cb7ed4b5af25b8627d30
|-- ff493177e95ac17dfd7eb6a9582510002c525c
|-- f9/
|-- 77cda6eeff791c167c295560204120a2fabb54
|-- fcbb903d5c1d548332c7dbee7b941b6d66d04f
|-- fe2c82983d6b145df529534fbfe1101cd574e6
|-- fa/
|-- 62289157b9051ef357712a9fe45203e5ae82f6
|-- 7af9668ee330371b4914ca9b3aaed312faf629
|-- ab5b1ff34eeeeba1365c9210b8a50c2a6f6d84
|-- fb/
|-- d1b910812c8c568bbb8121211b7d9585b0265b
|-- fc/
|-- 16656120a9fc61ca7c8a1233c671ed03ebff2e
|-- fd/
|-- 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
|-- cycler/
    |-- __init__.py
    |-- __pycache__/
        |-- __init__.cpython-312.pyc
    |-- py.typed
|-- cycler-0.12.1.dist-info/
    |-- INSTALLER
    |-- LICENSE
    |-- METADATA
    |-- RECORD
    |-- WHEEL
```

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|-- ... (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
            |-- cmmi10.afm
            |-- cmr10.afm
            |-- cmsy10.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_ctypes.cpython-312.pyc
        |-- _internal.cpython-312.pyc
        |-- _multiarray_umath.cpython-312.pyc
        |-- ... (14 more files)
    |-- _dtype.py
    |-- _dtype.pyi
    |-- _dtype_ctypes.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

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        |-- ... (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

```



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|-- 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/
    |-- msvcp140-1a0962f2a91a74c6d7136a768987a591.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

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```

        |-- 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_fftllog.cpython-312.pyc
        |-- ... (3 more files)
    |-- mock_backend.py
    |-- test_backend.py
    |-- test_basic.py
    |-- test_fftllog.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_miuint32.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
|-- _gcrotmk.py
|-- iterative.cpython-312.pyc
|-- iterative.py
|-- lgmres.cpython-312.pyc
|-- lgmres.py
|-- lsmr.cpython-312.pyc
|-- lsmr.py
|-- ... (4 more files)
|-- ... (6 more files)
|-- tests/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc
|-- test_gcrotmk.cpython-312.pyc
|-- test_gcrotmk.py
|-- test_iterative.cpython-312.pyc
|-- test_iterative.py
|-- test_lgmres.cpython-312.pyc
|-- test_lgmres.py
|-- test_lsmr.cpython-312.pyc
|-- test_lsmr.py
|-- ... (3 more files)
|-- ... (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_arithmeticld.cpython-312.pyc
|       |-- test_array_api.cpython-312.pyc
|       |-- test_base.cpython-312.pyc
|       |-- test_commonld.cpython-312.pyc
|       |-- ... (12 more files)
|-- data/
|   |-- csc_py2.npz
|   |-- csc_py3.npz
|   |-- test_arithmeticld.py
|   |-- test_array_api.py
|   |-- test_base.py
|   |-- test_commonld.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

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```

|-- 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
|-- cdflib.h
|-- cephes/
|-- airy.h
|-- besselpoly.h
|-- beta.h
|-- cbirt.h
|-- chbevl.h
|-- ... (35 more files)
|-- config.h
|-- digamma.h
|-- error.h
|-- ... (12 more files)
|-- stats/
|-- __init__.py
|-- __pycache__/
|-- __init__.cpython-312.pyc

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```

|-- _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
|       |-- ... (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

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```

|-- 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
|       |-- bessel.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
|-- bessel.py
|-- beta_functions.py
|-- bsplines.py
|-- delta_functions.py
|-- ... (13 more files)
|-- tests/
|   |-- __init__.py
|   |-- __pycache__/
|       |-- __init__.cpython-312.pyc
|       |-- test_bessel.cpython-312.pyc
|       |-- test_beta_functions.cpython-312.pyc
|       |-- test_bsplines.cpython-312.pyc
|       |-- test_delta_functions.cpython-312.pyc
|       |-- ... (10 more files)

```

```

        |-- test_bessel.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
|-- unitssystem.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
|-- pygletplot/
|-- __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
    |-- __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__/
|-- __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
|--   __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
    |-- 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
|-- 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
|-- 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
|-- 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/
            |-- __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__/
|-- __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
|-- 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
|--   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
|-- nnpack/
|   |-- __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
|       |-- _checkpointer.cpython-312.pyc
|       |-- ... (28 more files)
|-- _async_executor.py
|-- _async_process_executor.py
|-- _async_thread_executor.py
|-- _checkpointer.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
|       |-- cl0d_rendezvous_backend.cpython-312.pyc
|       |-- dynamic_rendezvous.cpython-312.pyc
|       |-- ... (7 more files)
|   |-- etcd_stub.py
|   |-- api.py
|   |-- cl0d_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

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```

|-- 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_adadelta.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

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```

|-- 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

```



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|-- 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

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|-- 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
|-- CUDAApplyUtils.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/
|   |-- CUDAAlgorithm.h
|   |-- CUDAAllocatorConfig.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/
    |-- csrch/
        |-- 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

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|-- 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

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|-- ... (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

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```
|-- 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

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```

        |-- nvtx_observer.h
        |-- privateusel_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)
|-- 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
|-- _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)
    |-- 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
|--     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
|-- ... (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__/

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```

        |-- __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

```



```

|-- Caffee2/
|   |-- Caffee2Config.cmake
|   |-- Caffee2Targets-release.cmake
|   |-- Caffee2Targets.cmake
|   |-- FindCUDAToolkit.cmake
|   |-- FindCUDSS.cmake
|   |-- ... (4 more files)
|   |-- Modules_CUDA_fix/
|       |-- FindCUDA.cmake
|       |-- FindCUDNN.cmake
|       |-- upstream/
|           |-- CMakeInitializeConfigs.cmake
|           |-- FindCUDA/
|               |-- make2cmake.cmake
|               |-- parse_cubin.cmake
|               |-- 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/
|--     __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
|-- 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
|--       cretereo.cpython-312.pyc
|--       raft_stereo.cpython-312.pyc
|--     cretereo.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/
|-- Automate.py
|-- Detects_Drivelink_ColabTrained/
    |-- content/
        |-- runs/
            |-- detect/
                |-- train/
                    |-- F1_curve.png
                    |-- PR_curve.png
                    |-- P_curve.png
                    |-- R_curve.png
                    |-- args.yaml
                    |-- ... (16 more files)
                    |-- weights/
                        |-- best.pt
                        |-- last.pt
|-- Drive link Dataset/
    |-- .gitignore
    |-- OutputBox.py
    |-- Result from drive link/
        |-- F1_curve.png
        |-- PR_curve.png
        |-- P_curve.png
        |-- R_curve.png
        |-- args.yaml
        |-- ... (17 more files)
        |-- weights/
            |-- best.pt
            |-- last.pt
|-- annotated_images_with_best.pt_file/
    |-- predictions/
        |-- 02fd0af7-51ab46bb-c13_jpg.rf.f9ce052f4bba061e460bdbf1178fce4f.jpg
```

```
|-- 11668_2014_9832_Fig2_HTML_jpg.rf.e8cb247e67cc0319b122e91e666d1d80.jpg
|-- 1aa4b44c-d01b8a11-Hot-crack_jpg.rf.7055544cd68521a4b9af1a1ab28597e5.jpg
|-- 20220608_112217_jpg.rf.b19f0c3ead193e4043c1934e2fe351a2.jpg
|-- 280762807_311425284525653_2090801215891852066_n_png_jpg.rf.5a8fa0818d7bf7ec906
|-- ... (201 more files)
|-- labels/
|   |-- 11668_2014_9832_Fig2_HTML_jpg.rf.e8cb247e67cc0319b122e91e666d1d80.txt
|   |-- 1aa4b44c-d01b8a11-Hot-crack_jpg.rf.7055544cd68521a4b9af1a1ab28597e5.txt
|   |-- 280762807_311425284525653_2090801215891852066_n_png_jpg.rf.5a8fa0818d7bf7e
|   |-- 295992d6-f617b725-cl_png_jpg.rf.4bb27478436da782f3d8f52226cfc1e3.txt
|   |-- 4a05306b-ca866elf-cl2_jpg.rf.7355d4af9e5e6cebcacfb4cb970fa46.txt
|   |-- ... (168 more files)
|-- train_images_output/
|   |-- predictions/
|       |-- 04ff146c-13216e9b-cl1_jpg.rf.04f47b4e754daa993d6ea26a6a25973d.jpg
|       |-- 04ff146c-13216e9b-cl1_jpg.rf.1c2838a0b93b114cde542982fa28db61.jpg
|       |-- 04ff146c-13216e9b-cl1_jpg.rf.2fefb7c0ae9a39785de0ed7b093cd764.jpg
|       |-- 04ff146c-13216e9b-cl1_jpg.rf.3380f0b7f6783c0c88fa14041b4e7d56.jpg
|       |-- 04ff146c-13216e9b-cl1_jpg.rf.346d483fba8cb2cd338202aa5dfa1383.jpg
|       |-- ... (5636 more files)
|       |-- labels/
|           |-- 04ff146c-13216e9b-cl1_jpg.rf.1c2838a0b93b114cde542982fa28db61.txt
|           |-- 04ff146c-13216e9b-cl1_jpg.rf.3a07fa94fbd912bd2b780ac0d5e9c84a.txt
|           |-- 04ff146c-13216e9b-cl1_jpg.rf.6b721cc0f15e445e065386f78d88984b.txt
|           |-- 04ff146c-13216e9b-cl1_jpg.rf.9da89c6eb25e663a890fd5d08a05bc6c.txt
|           |-- 04ff146c-13216e9b-cl1_jpg.rf.a60e8c1bd9912ea7b193170b2919e9e1.txt
|           |-- ... (3798 more files)
|-- annotated_images_without_best.pt file/
|   |-- 02fd0af7-51ab46bb-cl3_jpg.rf.f9ce052f4bba061e460bdf1178fce4f.jpg
|   |-- 11668_2014_9832_Fig2_HTML_jpg.rf.e8cb247e67cc0319b122e91e666d1d80.jpg
|   |-- 1aa4b44c-d01b8a11-Hot-crack_jpg.rf.7055544cd68521a4b9af1a1ab28597e5.jpg
|   |-- 20220608_112217_jpg.rf.b19f0c3ead193e4043c1934e2fe351a2.jpg
|   |-- 280762807_311425284525653_2090801215891852066_n_png_jpg.rf.5a8fa0818d7bf7ec906e3c8
|   |-- ... (200 more files)
|-- auto_label.py
|-- best.pt
|-- driveLink.yaml
|-- test/
|   |-- images/
|       |-- 02fd0af7-51ab46bb-cl3_jpg.rf.f9ce052f4bba061e460bdf1178fce4f.jpg
|       |-- 11668_2014_9832_Fig2_HTML_jpg.rf.e8cb247e67cc0319b122e91e666d1d80.jpg
|       |-- 1aa4b44c-d01b8a11-Hot-crack_jpg.rf.7055544cd68521a4b9af1a1ab28597e5.jpg
|       |-- 20220608_112217_jpg.rf.b19f0c3ead193e4043c1934e2fe351a2.jpg
|       |-- 280762807_311425284525653_2090801215891852066_n_png_jpg.rf.5a8fa0818d7bf7ec906
|       |-- ... (200 more files)
|   |-- labels/
|       |-- 02fd0af7-51ab46bb-cl3_jpg.rf.f9ce052f4bba061e460bdf1178fce4f.txt
|       |-- 11668_2014_9832_Fig2_HTML_jpg.rf.e8cb247e67cc0319b122e91e666d1d80.txt
|       |-- 1aa4b44c-d01b8a11-Hot-crack_jpg.rf.7055544cd68521a4b9af1a1ab28597e5.txt
|       |-- 20220608_112217_jpg.rf.b19f0c3ead193e4043c1934e2fe351a2.txt
|       |-- 280762807_311425284525653_2090801215891852066_n_png_jpg.rf.5a8fa0818d7bf7ec906
|       |-- ... (200 more files)
|-- labels.cache
```



```

|-- train/
  |-- images/
    |-- 04ff146c-13216e9b-c11_jpg.rf.04f47b4e754daa993d6ea26a6a25973d.jpg
    |-- 04ff146c-13216e9b-c11_jpg.rf.1c2838a0b93b114cde542982fa28db61.jpg
    |-- 04ff146c-13216e9b-c11_jpg.rf.2fefb7c0ae9a39785de0ed7b093cd764.jpg
    |-- 04ff146c-13216e9b-c11_jpg.rf.3380f0b7f6783c0c88fa14041b4e7d56.jpg
    |-- 04ff146c-13216e9b-c11_jpg.rf.346d483fba8cb2cd338202aa5dfa1383.jpg
    |-- ... (5639 more files)
  |-- labels/
    |-- 04ff146c-13216e9b-c11_jpg.rf.1c2838a0b93b114cde542982fa28db61.txt
    |-- 04ff146c-13216e9b-c11_jpg.rf.3a07fa94fbd912bd2b780ac0d5e9c84a.txt
    |-- 04ff146c-13216e9b-c11_jpg.rf.6b721cc0f15e445e065386f78d88984b.txt
    |-- 04ff146c-13216e9b-c11_jpg.rf.9da89c6eb25e663a890fd5d08a05bc6c.txt
    |-- 04ff146c-13216e9b-c11_jpg.rf.a60e8c1bd9912ea7b193170b2919e9e1.txt
    |-- ... (3798 more files)
  |-- labels.cache
|-- Drive_Dataset_Annotated/
  |-- 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/
    |-- GithubDataset.yaml
    |-- Images_Github_Dataset/
      |-- images/
        |-- train/
          |-- 25_100.jpg
          |-- 25_103.jpg
          |-- 25_105.jpg
          |-- 25_108.jpg
          |-- 25_109.jpg
          |-- ... (75 more files)
        |-- val/
          |-- 25_106.jpg
          |-- 25_107.jpg
          |-- 25_12.jpg
          |-- 25_123.jpg
          |-- 25_125.jpg
          |-- ... (15 more files)

```

```

|-- labels/
|-- 25_100.json
|-- 25_103.json
|-- 25_105.json
|-- 25_106.json
|-- 25_107.json
|-- ... (99 more files)
|-- train/
|-- 25_100.txt
|-- 25_103.txt
|-- 25_105.txt
|-- 25_108.txt
|-- 25_109.txt
|-- ... (75 more files)
|-- val/
|-- 25_106.txt
|-- 25_107.txt
|-- 25_12.txt
|-- 25_123.txt
|-- 25_125.txt
|-- ... (15 more files)
|-- Result from Github Dataset/
|-- From test dataset/
|-- F1_curve.png
|-- PR_curve.png
|-- P_curve.png
|-- R_curve.png
|-- args.yaml
|-- ... (13 more files)
|-- weights/
|-- best.pt
|-- last.pt
|-- Github_dataset_kfold.ipynb
|-- Github_defect.pt
|-- Info.txt
|-- ... (33 more files)
|-- Pictures from welding/
|-- 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)
|-- outputs/
|-- aligned_plate.jpg
|-- labels/
|-- aligned_plate.jpg
|-- labels/
|-- aligned_plate.txt
|-- labels10/
|-- labels/
|-- weld_seam.jpg
|-- labels11/

```

```
|-- labels/
    |-- weld_seam.txt
    |-- weld_seam.jpg
|-- labels12/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels13/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels14/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels15/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels16/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels17/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels18/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels19/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels2/
    |-- aligned_plate.jpg
    |-- labels/
        |-- aligned_plate.txt
|-- labels20/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels21/
    |-- labels/
        |-- weld_seam.jpg
|-- labels22/
    |-- labels/
        |-- weld_seam.txt
        |-- weld_seam.jpg
|-- labels23/
    |-- labels/
        |-- weld_seam.txt
```

```
|-- weld_seam.jpg
|-- labels24/
|   |-- labels/
|       |-- weld_seam.txt
|   |-- weld_seam.jpg
|-- labels25/
|   |-- labels/
|       |-- weld_seam.txt
|   |-- weld_seam.jpg
|-- labels26/
|   |-- labels/
|       |-- weld_seam.txt
|   |-- weld_seam.jpg
|-- labels27/
|   |-- labels/
|       |-- weld_seam.txt
|   |-- weld_seam.jpg
|-- labels28/
|   |-- labels/
|       |-- weld_seam.txt
|   |-- weld_seam.jpg
|-- labels29/
|   |-- labels/
|       |-- weld_seam.txt
|   |-- weld_seam.jpg
|-- labels3/
|   |-- aligned_plate.jpg
|   |-- labels/
|       |-- aligned_plate.txt
|-- labels30/
|   |-- labels/
|       |-- weld_seam.txt
|   |-- weld_seam.jpg
|-- labels4/
|   |-- aligned_plate.jpg
|   |-- labels/
|       |-- aligned_plate.txt
|-- labels5/
|   |-- aligned_plate.jpg
|   |-- labels/
|       |-- aligned_plate.txt
|-- labels6/
|   |-- aligned_plate.jpg
|   |-- labels/
|       |-- aligned_plate.txt
|-- labels7/
|   |-- aligned_plate.jpg
|   |-- labels/
|       |-- aligned_plate.txt
|-- labels8/
|   |-- labels/
|       |-- weld_seam.txt
|   |-- weld_seam.jpg
```

```
|-- labels9/  
    |-- labels/  
    |-- weld_seam.jpg  
|-- weld_seam.jpg  
|-- results/  
    |-- run1/  
        |-- image0.jpg  
        |-- labels/  
            |-- image0.txt  
    |-- run12/  
        |-- image0.jpg  
        |-- labels/  
            |-- image0.txt  
    |-- run13/  
        |-- image0.jpg  
        |-- labels/  
            |-- image0.txt  
    |-- run14/  
        |-- image0.jpg  
        |-- labels/  
            |-- image0.txt  
    |-- run15/  
        |-- image0.jpg  
        |-- labels/  
            |-- image0.txt
```