SnakeViz

Reset Root

Reset Zoom

Style: Icicle

Depth: 10

Cutoff: 1 / 1000

main.py:514(process_video)
134 s

main.py:107(Inference)
116 s

main.py:107(Inference)
116 s
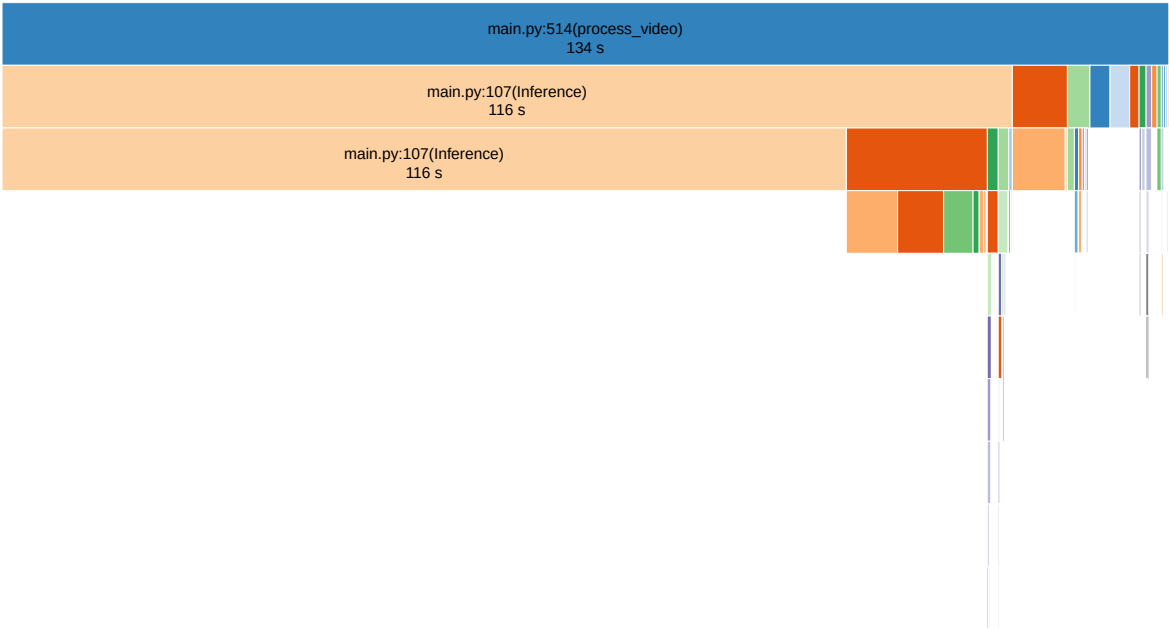
Search:

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
735	96.78	0.1317	115.8	0.1576	main.py:107(Inference)
1470	11.95	0.008126	11.95	0.008126	~:0(<resize>)
735	5.268	0.007167	16.16	0.02198	main.py:80(PreProcessImg)
2573	3.378	0.001313	3.378	0.001313	~:0(<built-in method numpy.ascontiguousarray>)
1	2.28	2.28	134.1	134.1	main.py:514(process_video)
737	2.276	0.003088	2.276	0.003088	~:0(<waitKey>)
33789/20573	1.56	7.584e-05	2.542	0.0001235	~:0(<built-in method numpy.core._multiarray_umath.implement_array_function>)
735	1.079	0.001468	1.079	0.001468	~:0(<method 'read' of 'cv2.VideoCapture' objects>)
454	0.795	0.001751	2.596	0.005719	byte_tracker.py:159(update)
1211	0.7092	0.0005856	0.7092	0.0005856	~:0(<method 'astype' of 'numpy.ndarray' objects>)
1	0.5933	0.5933	0.5933	0.5933	~:0(<method 'release' of 'cv2.VideoCapture' objects>)
735	0.5449	0.0007413	0.5449	0.0007413	~:0(<cvtColor>)
1516	0.5126	0.0003381	0.5128	0.0003382	~:0(<built-in method tensor>)
1730	0.3531	0.0002041	0.3531	0.0002041	~:0(<putText>)
735	0.2856	0.0003885	0.2856	0.0003885	~:0(<copyMakeBorder>)
22	0.2505	0.01139	0.2505	0.01139	~:0(<built-in method lstm>)
735	0.25	0.0003401	1.103	0.0015	main.py:166(NonMaxSuppression)
735	0.2434	0.0003311	0.2434	0.0003311	~:0(<imshow>)
1	0.2087	0.2087	0.2087	0.2087	~:0(<namedWindow>)
2184	0.2047	9.373e-05	0.2047	9.373e-05	~:0(<rectangle>)
7696	0.143	1.858e-05	0.2941	3.821e-05	_methods.py:92(_clip_dep_is_scalar_nan)
5667	0.1408	2.484e-05	0.1607	2.835e-05	byte_tracker.py:90(tlwh)
757	0.1196	0.000158	0.1347	0.0001779	~:0(<built-in method io.open>)
453	0.09324	0.0002058	0.4242	0.0009364	kalman_filter.py:155(multi_predict)
466	0.09178	0.000197	0.1307	0.0002805	~:0(<lap._lapjv.lapjv>)
454	0.09073	0.0001999	0.2103	0.0004633	main.py:231(bbox_iou)
4108	0.08927	2.173e-05	0.08927	2.173e-05	~:0(<built-in method _warnings.warn>)
2940	0.0871	2.963e-05	0.0871	2.963e-05	~:0(<method 'strftime' of 'datetime.date' objects>)
735	0.08521	0.0001159	0.2557	0.0003478	_datetime.py:13(__format__)
735	0.08013	0.000109	0.6511	0.0008859	_logger.py:1906(_log)
8634	0.0771	8.93e-06	0.1123	1.301e-05	fromnumeric.py:3121(ndim)
13711	0.07518	5.483e-06	0.07996	5.832e-06	~:0(<built-in method numpy.asarray>)
1	0.07336	0.07336	0.07336	0.07336	~:0(<destroyAllWindows>)
438	0.07203	0.0001644	0.1117	0.000255	_decomp_cholesky.py:13(_cholesky)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
438	0.07155	0.0001634	0.07602	0.0001736	_decomp_cholesky.py:159(cho_solve)
454	0.06996	0.0001541	0.1081	0.000238	_methods.py:196(_var)
1362	0.06987	5.13e-05	0.2176	0.0001597	matching.py:39(linear_assignment)
5330/2606	0.06968	2.674e-05	0.2838	0.0001089	~:0(<method 'format' of 'str' objects>)
3848	0.06723	1.747e-05	0.06723	1.747e-05	_methods.py:107(_clip_dep_invoke_with_casting)
735	0.06274	8.536e-05	0.1134	0.0001543	main.py:204(xywh2xyxy)
735	0.05848	7.956e-05	6.331	0.008613	main.py:656(annotate_video)
2023	0.05822	2.878e-05	0.05822	2.878e-05	~:0(<method 'reduce' of 'numpy.ufunc' objects>)
22	0.05791	0.002632	0.05801	0.002637	serialization.py:242(__init__)
4790	0.0556	1.161e-05	0.2086	4.354e-05	byte_tracker.py:103(tlbr)
1816	0.05401	2.974e-05	0.1682	9.261e-05	matching.py:53(ious)
1816	0.05329	2.935e-05	0.4467	0.000246	matching.py:73(iou_distance)
3848	0.04968	1.291e-05	0.4334	0.0001126	_methods.py:126(_clip)
735	0.04968	6.759e-05	0.04968	6.759e-05	~:0(<built-in method now>)
13498	0.04415	3.271e-06	0.04415	3.271e-06	~:0(<method 'copy' of 'numpy.ndarray' objects>)
132	0.04067	0.0003081	0.04067	0.0003081	~:0(<method 'uniform_' of 'torch._C._TensorBase' objects>)
782	0.03825	4.891e-05	0.03825	4.891e-05	~:0(<method 'write' of '_io.TextIOWrapper' objects>)
1189	0.03781	3.18e-05	0.1048	8.816e-05	shape_base.py:512(expand_dims)
735	0.03764	5.121e-05	0.1218	0.0001657	_datetime.py:88(aware_now)
1816	0.03747	2.063e-05	0.03747	2.063e-05	~:0(<method 'unbind' of 'torch._C._TensorBase' objects>)
8634	0.03694	4.278e-06	0.1764	2.043e-05	<__array_function__ internals>:177(ndim)
132	0.03595	0.0002723	0.03595	0.0002723	~:0(<method 'set_' of 'torch._C._TensorBase' objects>)
735	0.0358	4.871e-05	1.188	0.001616	main.py:142(PostProcess)
454	0.03559	7.839e-05	0.4863	0.001071	byte_tracker.py:32(multi_predict)
2587	0.03491	1.35e-05	0.04644	1.795e-05	twodim_base.py:240(diag)
1189	0.03399	2.859e-05	0.04307	3.623e-05	numeric.py:1347(normalize_axis_tuple)
1924	0.03279	1.704e-05	0.03279	1.704e-05	~:0(<method 'reshape' of 'numpy.ndarray' objects>)
938	0.03172	3.382e-05	0.04573	4.875e-05	numerictypes.py:573(_can_coerce_all)
735	0.03144	4.278e-05	0.3922	0.0005337	_handler.py:127(emit)
3266	0.02933	8.982e-06	0.02933	8.982e-06	~:0(<built-in method torch._C._get_tracing_state>)
45420	0.02861	6.298e-07	0.07636	1.681e-06	~:0(<built-in method builtins.len>)
4108	0.0285	6.939e-06	0.1178	2.867e-05	__init__.py:274(__getattr__)
735	0.02806	3.818e-05	0.02806	3.818e-05	~:0(<method 'argsort' of 'numpy.ndarray' objects>)
438	0.02792	6.373e-05	0.361	0.0008243	kalman_filter.py:194(update)
2270/454	0.0274	6.035e-05	0.06473	0.0001426	arrayprint.py:789(recurser)
469	0.02736	5.834e-05	0.1312	0.0002798	index_tricks.py:322(__getitem__)
735	0.02727	3.711e-05	0.04291	5.838e-05	~:0(<method 'sub' of 're.Pattern' objects>)
2	0.02443	0.01221	0.02475	0.01237	blas.py:326(_get_funcs)
25792	0.02393	9.279e-07	0.03941	1.528e-06	~:0(<built-in method builtins.isinstance>)
438	0.02298	5.247e-05	0.1009	0.0002303	kalman_filter.py:126(project)
6519	0.02256	3.461e-06	0.5405	8.292e-05	fromnumeric.py:51(_wrapfunc)
5192	0.02201	4.24e-06	0.02201	4.24e-06	~:0(<built-in method builtins.issubclass>)
3848	0.02167	5.632e-06	0.4838	0.0001257	fromnumeric.py:2085(clip)
1362	0.01976	1.45e-05	0.04775	3.506e-05	_tensor.py:676(__len__)
454	0.01968	4.336e-05	0.02069	4.556e-05	shape_base.py:207(_arrays_for_stack_dispatcher)
735	0.01954	2.658e-05	0.2792	0.0003799	~:0(<method 'format_map' of 'str' objects>)
454	0.01929	4.249e-05	0.2013	0.0004434	byte_tracker.py:317(remove_duplicate_stracks)
88	0.01894	0.0002152	0.01894	0.0002152	~:0(<built-in method torch._C._log_api_usage_once>)
454	0.0189	4.162e-05	0.4059	0.000894	main.py:268(PlotBbox)
2560	0.01865	7.287e-06	0.01865	7.287e-06	~:0(<built-in method numpy.array>)
5176	0.01829	3.534e-06	0.01829	3.534e-06	~:0(<built-in method numpy.zeros>)
435	0.01808	4.157e-05	0.3981	0.0009152	byte_tracker.py:71(update)
132	0.01787	0.0001354	0.04616	0.0003497	serialization.py:994(load_tensor)
735	0.01743	2.371e-05	0.01743	2.371e-05	~:0(<built-in method time.localtime>)
8613	0.01686	1.957e-06	0.01698	1.972e-06	~:0(<built-in method builtins.getattr>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
454	0.01681	3.702e-05	0.01808	3.982e-05	byte_tracker.py:113(tlwh_to_xyah)
7696	0.01664	2.163e-06	0.02243	2.914e-06	_methods.py:102(_clip_dep_is_byte_swapped)
454	0.01602	3.528e-05	0.06161	0.0001357	arrayprint.py:1439(dtype_short_repr)
454	0.01598	3.521e-05	0.1656	0.0003647	main.py:387(loitering_module)
454	0.0152	3.349e-05	0.01817	4.003e-05	arrayprint.py:403(_get_formatdict)
2392	0.01517	6.341e-06	1.289	0.0005391	<__array_function__ internals>:177(copyto)
454	0.01472	3.243e-05	0.2325	0.0005121	arrayprint.py:1467(_array_repr_implementation)
3848	0.01469	3.817e-06	0.5142	0.0001336	<__array_function__ internals>:177(clip)
132	0.01427	0.0001081	0.01427	0.0001081	~:0(<built-in method torch._C._has_torch_function_variadic>)
4425	0.0142	3.209e-06	0.1607	3.631e-05	<__array_function__ internals>:177(dot)
59/51	0.01414	0.0002772	0.01415	0.0002774	~:0(<built-in method _abc._abc_subclasscheck>)
454	0.01374	3.027e-05	0.02986	6.577e-05	byte_tracker.py:127(tlbr_to_tlwh)
3848	0.01362	3.54e-06	0.447	0.0001162	~:0(<method 'clip' of 'numpy.ndarray' objects>)
132	0.01351	0.0001024	0.01351	0.0001024	~:0(<built-in method empty>)
1562	0.01346	8.618e-06	0.02189	1.401e-05	module.py:1188(__setattr__)
1816	0.01344	7.398e-06	0.06076	3.346e-05	_tensor.py:688(__iter__)
44	0.0133	0.0003022	0.01368	0.000311	init.py:284(_calculate_fan_in_and_fan_out)
876	0.01306	1.491e-05	0.07112	8.118e-05	linalg.py:2617(multi_dot)
735	0.01289	1.754e-05	0.01289	1.754e-05	~:0(<method 'timetuple' of 'datetime.datetime' objects>)
735	0.01249	1.699e-05	0.01249	1.699e-05	~:0(<method 'writerow' of '_csv.writer' objects>)
454	0.01246	2.743e-05	0.1116	0.0002458	arrayprint.py:523(_array2string)
454	0.01224	2.696e-05	0.02933	6.46e-05	shape_base.py:357(stack)
751	0.01192	1.587e-05	0.04202	5.596e-05	numeric.py:76(zeros_like)
44	0.01141	0.0002593	0.01141	0.0002593	~:0(<built-in method zeros>)
454	0.0114	2.511e-05	0.0308	6.785e-05	arrayprint.py:452(_get_format_function)
6566	0.01133	1.726e-06	0.01133	1.726e-06	numerictypes.py:582(<listcomp>)
454	0.01129	2.487e-05	0.1296	0.0002854	fromnumeric.py:3441(std)
908	0.01114	1.227e-05	0.01309	1.442e-05	byte_tracker.py:306(sub_stracks)
1470	0.01102	7.494e-06	0.01324	9.006e-06	_handler.py:110(_protected_lock)
44	0.01074	0.0002441	0.0218	0.0004954	validation.py:92(_assert_all_finite)
5145	0.01053	2.046e-06	0.01564	3.04e-06	_datetime.py:79(get)
1362	0.0105	7.709e-06	0.01292	9.486e-06	byte_tracker.py:292(joint_stracks)
454	0.01043	2.297e-05	0.04733	0.0001043	byte_tracker.py:15(__init__)
22	0.01026	0.0004662	0.07224	0.003283	rnn.py:193(reset_parameters)
22	0.01022	0.0004644	0.1145	0.005206	serialization.py:989(_load)
264	0.01013	3.837e-05	0.01376	5.21e-05	storage.py:223(__init__)
1470	0.01009	6.866e-06	0.01009	6.866e-06	~:0(<method 'timestamp' of 'datetime.datetime' objects>)
454	0.009807	2.16e-05	0.01055	2.325e-05	_methods.py:66(_count_reduce_items)
132	0.009804	7.427e-05	0.01016	7.698e-05	~:0(<built-in method builtins.eval>)
735	0.009498	1.292e-05	0.6606	0.0008988	_logger.py:2042(info)
22	0.009482	0.000431	0.02296	0.001044	init.py:356(_calculate_correct_fan)
454	0.009451	2.082e-05	0.1474	0.0003248	arrayprint.py:561(array2string)
454	0.009435	2.078e-05	0.1183	0.0002605	_methods.py:263(_std)
1657	0.009186	5.544e-06	0.02722	1.643e-05	<__array_function__ internals>:177(empty_like)
454	0.009096	2.003e-05	0.04436	9.771e-05	_dtype.py:344(_name_get)
454	0.009054	1.994e-05	0.03511	7.733e-05	main.py:343(crowd_density_module)
906	0.009047	9.986e-06	0.0366	4.04e-05	numeric.py:218(ones_like)
1384	0.00887	6.409e-06	0.00887	6.409e-06	~:0(<method 'numpy' of 'torch._C._TensorBase' objects>)
3453	0.008573	2.483e-06	0.0164	4.748e-06	~:0(<built-in method builtins.hasattr>)
735	0.008509	1.158e-05	0.01428	1.944e-05	posixpath.py:140(basename)
281	0.008385	2.984e-05	0.008385	2.984e-05	~:0(<built-in method builtins.print>)
8204	0.008336	1.016e-06	0.008336	1.016e-06	~:0(<built-in method numpy.asanyarray>)
454	0.008314	1.831e-05	0.008314	1.831e-05	~:0(<getTextSize>)
2587	0.008277	3.199e-06	0.06412	2.478e-05	<__array_function__ internals>:177(diag)
735	0.008199	1.115e-05	0.008199	1.115e-05	~:0(<built-in method _csv.writer>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
876	0.007933	9.056e-06	0.05201	5.937e-05	linalg.py:2738(_multi_dot_three)
88	0.007902	8.98e-05	0.01773	0.0002015	module.py:1346(_load_from_state_dict)
735	0.007814	1.063e-05	0.03395	4.619e-05	<__array_function__ internals>:177(transpose)
1816	0.007794	4.292e-06	0.1392	7.664e-05	matching.py:86(<listcomp>)
12565	0.007739	6.159e-07	0.007739	6.159e-07	~:0(<method 'append' of 'list' objects>)
876	0.007732	8.827e-06	0.0347	3.961e-05	blas.py:384(getter)
454	0.007395	1.629e-05	0.01409	3.103e-05	arrayprint.py:64(_make_options_dict)
454	0.007394	1.629e-05	0.1214	0.0002674	arrayprint.py:506(wrapper)
1188	0.007351	6.188e-06	0.007351	6.188e-06	~:0(<method 'transpose' of 'numpy.ndarray' objects>)
757	0.007248	9.575e-06	0.00896	1.184e-05	contextlib.py:82(__init__)
1816	0.007043	3.878e-06	0.01874	1.032e-05	arrayprint.py:753(_extendLine_pretty)
12256	0.006945	5.666e-07	0.006945	5.666e-07	~:0(<method 'get' of 'dict' objects>)
454	0.006906	1.521e-05	0.0841	0.0001852	byte_tracker.py:189(<listcomp>)
22	0.006848	0.0003113	0.02527	0.001149	extmath.py:970(_incremental_mean_and_var)
1470	0.006827	4.645e-06	0.07342	4.995e-05	calendar.py:58(__getitem__)
1816	0.006827	3.76e-06	0.009258	5.098e-06	arrayprint.py:739(_extendLine)
1189	0.006702	5.637e-06	0.1204	0.0001013	<__array_function__ internals>:177(expand_dims)
968	0.006566	6.783e-06	0.007674	7.928e-06	module.py:1172(__getattr__)
735	0.006498	8.84e-06	0.01225	1.667e-05	_bootlocale.py:33(getpreferredencoding)
22	0.006419	0.0002918	0.1025	0.004657	~:0(<method 'load' of '_pickle.Unpickler' objects>)
735	0.006317	8.595e-06	0.006317	8.595e-06	~:0(<method 'replace' of 'datetime.time' objects>)
735	0.006217	8.458e-06	0.03477	4.731e-05	fromnumeric.py:198(reshape)
735	0.006068	8.255e-06	0.01351	1.838e-05	posixpath.py:117(splitext)
454	0.005951	1.311e-05	0.005951	1.311e-05	arrayprint.py:1403(dtype_is_implied)
1470	0.005879	3.999e-06	0.02896	1.97e-05	calendar.py:77(__getitem__)
454	0.005835	1.285e-05	0.0188	4.141e-05	_tensor.py:738(__array_wrap__)
735	0.005754	7.828e-06	0.005754	7.828e-06	~:0(<built-in method _locale.nl_langinfo>)
3310	0.005691	1.719e-06	0.005691	1.719e-06	~:0(<method 'dim' of 'torch._C._TensorBase' objects>)
454	0.005654	1.245e-05	0.005654	1.245e-05	~:0(<built-in method from_numpy>)
735	0.005596	7.613e-06	0.04327	5.888e-05	_simple_sinks.py:15(write)
1189	0.005567	4.682e-06	0.007047	5.927e-06	shape_base.py:600(<listcomp>)
735	0.005552	7.554e-06	0.04688	6.378e-05	<__array_function__ internals>:177(reshape)
469	0.005545	1.182e-05	0.05403	0.0001152	numerictypes.py:597(find_common_type)
454	0.005518	1.216e-05	0.005518	1.216e-05	byte_tracker.py:230(<listcomp>)
923	0.005484	5.942e-06	0.02409	2.61e-05	<__array_function__ internals>:177(concatenate)
1386	0.005469	3.946e-06	0.01958	1.413e-05	<__array_function__ internals>:177(where)
735	0.005265	7.164e-06	0.005265	7.164e-06	~:0(<built-in method combine>)
1816	0.005217	2.873e-06	0.08239	4.537e-05	matching.py:87(<listcomp>)
2659	0.005198	1.955e-06	0.005198	1.955e-06	~:0(<method 'rfind' of 'str' objects>)
1470	0.005163	3.513e-06	0.005163	3.513e-06	~:0(<built-in method time.time>)
1362	0.005121	3.76e-06	0.01473	1.082e-05	_tensor.py:728(__array__)
757	0.005119	6.762e-06	0.01166	1.541e-05	contextlib.py:117(__exit__)
5145	0.005113	9.937e-07	0.005113	9.937e-07	~:0(<method 'group' of 're.Match' objects>)
4173	0.00484	1.16e-06	0.0198	4.745e-06	~:0(<built-in method builtins.next>)
1189	0.004814	4.049e-06	0.007529	6.332e-06	numeric.py:1397(<listcomp>)
735	0.004778	6.5e-06	0.006534	8.89e-06	genericpath.py:121(_splitext)
8634	0.004711	5.456e-07	0.004711	5.456e-07	fromnumeric.py:3117(_ndim_dispatcher)
454	0.00461	1.015e-05	0.03171	6.986e-05	_dtype.py:330(_name_includes_bit_suffix)
906	0.004573	5.047e-06	0.04628	5.108e-05	<__array_function__ internals>:177(ones_like)
454	0.004521	9.959e-06	0.004521	9.959e-06	~:0(<built-in method builtins.locals>)
520	0.004468	8.593e-06	0.02832	5.446e-05	numerictypes.py:356(issubdtype)
757	0.004459	5.89e-06	0.01342	1.773e-05	contextlib.py:238(helper)
751	0.004446	5.92e-06	0.05163	6.875e-05	<__array_function__ internals>:177(zeros_like)
22	0.004419	0.0002009	0.7843	0.03565	main.py:453(infer)
735	0.004343	5.909e-06	0.01771	2.41e-05	fromnumeric.py:601(transpose)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
44	0.004244	9.646e-05	0.03562	0.0008095	validation.py:644(check_array)
735	0.004225	5.748e-06	0.004225	5.748e-06	~:0(<method 'ravel' of 'numpy.ndarray' objects>)
439	0.004165	9.488e-06	0.004165	9.488e-06	~:0(<method 'tolist' of 'torch._C._TensorBase' objects>)
1040	0.004153	3.993e-06	0.02365	2.274e-05	numerictypes.py:282(issubclass_)
735	0.004085	5.558e-06	0.009056	1.232e-05	process.py:234(ident)
2097	0.004039	1.926e-06	0.004039	1.926e-06	~:0(<built-in method numpy.core._multiarray_umath.normalize_axis_index>)
735	0.003697	5.029e-06	0.004416	6.009e-06	threading.py:1306(current_thread)
735	0.003575	4.863e-06	0.03472	4.724e-05	fromnumeric.py:1012(argsort)
453	0.003541	7.816e-06	0.009586	2.116e-05	byte_tracker.py:35(<listcomp>)
616	0.00344	5.585e-06	0.02016	3.274e-05	rnn.py:126(__setattr__)
454	0.003434	7.564e-06	0.003434	7.564e-06	plotting.py:85(__call__)
735	0.003418	4.651e-06	0.003418	4.651e-06	~:0(<built-in method posix.getpid>)
876	0.003377	3.855e-06	0.08645	9.868e-05	<__array_function__ internals>:177(multi_dot)
132	0.003334	2.525e-05	0.003334	2.525e-05	~:0(<method 'copy_' of 'torch._C._TensorBase' objects>)
438	0.003326	7.594e-06	0.004046	9.238e-06	shape_base.py:81(atleast_2d)
454	0.003295	7.258e-06	0.007743	1.706e-05	main.py:325(concealment_module)
132	0.00329	2.493e-05	0.02259	0.0001712	_tensor.py:169(storage)
735	0.003268	4.447e-06	0.04146	5.641e-05	<__array_function__ internals>:177(argsort)
4380	0.003238	7.392e-07	0.003238	7.392e-07	linalg.py:2612(_multidot_dispatcher)
88	0.003205	3.642e-05	0.0372	0.0004227	module.py:254(__init__)
757	0.003126	4.13e-06	0.0149	1.969e-05	contextlib.py:108(__enter__)
22	0.003069	0.0001395	0.1141	0.005186	rnn.py:39(__init__)
3005	0.003018	1.004e-06	0.003018	1.004e-06	~:0(<built-in method builtins.iter>)
454	0.003	6.608e-06	0.06773	0.0001492	arrayprint.py:780(_formatArray)
3486	0.002903	8.328e-07	0.002903	8.328e-07	~:0(<built-in method torch._C._has_torch_function_unary>)
876	0.002818	3.216e-06	0.003828	4.37e-06	linalg.py:2710(<listcomp>)
454	0.002785	6.134e-06	0.1359	0.0002994	<__array_function__ internals>:177(std)
286	0.002623	9.171e-06	0.002885	1.009e-05	grad_mode.py:121(__init__)
466	0.002615	5.612e-06	0.01271	2.728e-05	<__array_function__ internals>:177(nonzero)
896	0.002584	2.884e-06	0.002584	2.884e-06	~:0(<built-in method numpy.empty>)
735	0.002577	3.506e-06	0.002577	3.506e-06	threading.py:1047(ident)
909	0.002564	2.821e-06	0.002564	2.821e-06	~:0(<built-in method builtins.max>)
4425	0.002527	5.711e-07	0.002527	5.711e-07	multiarray.py:736(dot)
572	0.002489	4.352e-06	0.003273	5.722e-06	grad_mode.py:215(__init__)
4057	0.002483	6.12e-07	0.002483	6.12e-07	~:0(<built-in method builtins.abs>)
3848	0.002455	6.381e-07	0.002455	6.381e-07	fromnumeric.py:2081(_clip_dispatcher)
469	0.002449	5.222e-06	0.002449	5.222e-06	numerictypes.py:649(<listcomp>)
454	0.002403	5.293e-06	0.05734	0.0001263	<__array_function__ internals>:177(stack)
466	0.002376	5.098e-06	0.002376	5.098e-06	~:0(<method 'nonzero' of 'numpy.ndarray' objects>)
438	0.002343	5.35e-06	0.114	0.0002603	_decomp_cholesky.py:94(cho_factor)
22	0.002338	0.0001063	0.2736	0.01244	main.py:447(forward)
735	0.002324	3.163e-06	0.002324	3.163e-06	_recattrs.py:8(__init__)
735	0.002274	3.094e-06	0.002274	3.094e-06	_recattrs.py:23(__init__)
22	0.002262	0.0001028	0.266	0.01209	rnn.py:713(forward)
735	0.002224	3.025e-06	0.004037	5.493e-06	_recattrs.py:16(__format__)
735	0.002179	2.965e-06	0.002179	2.965e-06	codecs.py:186(__init__)
1410	0.002155	1.528e-06	0.002155	1.528e-06	~:0(<method 'copy' of 'dict' objects>)
454	0.002139	4.711e-06	0.02282	5.027e-05	shape_base.py:348(_stack_dispatcher)
466	0.00213	4.57e-06	0.007428	1.594e-05	fromnumeric.py:1866(nonzero)
22	0.002106	9.573e-05	0.05806	0.002639	_data.py:841(partial_fit)
132	0.002051	1.554e-05	0.002051	1.554e-05	~:0(<built-in method _make_subclass>)
132	0.002049	1.553e-05	0.05037	0.0003816	serialization.py:1004(persistent_load)
88/22	0.00193	8.773e-05	0.2744	0.01247	module.py:1104(_call_impl)
438	0.0019	4.337e-06	0.007947	1.814e-05	<__array_function__ internals>:177(atleast_2d)
735	0.001884	2.564e-06	0.003105	4.224e-06	posixpath.py:41(_get_sep)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
998	0.001883	1.887e-06	0.001883	1.887e-06	~:0(<method 'endswith' of 'str' objects>)
22	0.001876	8.526e-05	0.1926	0.008755	serialization.py:607(load)
22	0.001856	8.438e-05	0.1802	0.008189	main.py:441(__init__)
735	0.001814	2.468e-06	0.001814	2.468e-06	~:0(<method '__format__' of 'str' objects>)
16	0.001811	0.0001132	0.008985	0.0005616	byte_tracker.py:45(activate)
1471	0.00177	1.203e-06	0.00177	1.203e-06	~:0(<built-in method time.perf_counter>)
132	0.001758	1.332e-05	0.04263	0.0003229	_utils.py:132(_rebuild_tensor)
2392	0.001754	7.335e-07	0.001754	7.335e-07	multiarray.py:1071(copyto)
454	0.001728	3.807e-06	0.001728	3.807e-06	arrayprint.py:72(<dictcomp>)
876	0.001698	1.938e-06	0.001698	1.938e-06	linalg.py:188(_assert_2d)
1816	0.001695	9.331e-07	0.001695	9.331e-07	~:0(<method 'splitlines' of 'str' objects>)
286	0.001686	5.894e-06	0.003638	1.272e-05	grad_mode.py:126(__enter__)
454	0.00167	3.678e-06	0.00167	3.678e-06	byte_tracker.py:250(<listcomp>)
454	0.001594	3.512e-06	0.001594	3.512e-06	~:0(<built-in method builtins.min>)
22	0.001581	7.186e-05	0.01754	0.0007975	_data.py:988(transform)
735	0.001568	2.134e-06	0.001568	2.134e-06	_recattrs.py:37(__init__)
22	0.001563	7.105e-05	0.001651	7.507e-05	~:0(<built-in method builtins.__build_class__>)
735	0.001558	2.12e-06	0.001558	2.12e-06	~:0(<method 'flush' of '_io.TextIOWrapper' objects>)
1695	0.001558	9.194e-07	0.001558	9.194e-07	basetrack.py:30(end_frame)
735	0.001552	2.112e-06	0.001552	2.112e-06	process.py:99(_check_closed)
2097	0.001551	7.396e-07	0.001551	7.396e-07	~:0(<method 'values' of 'dict' objects>)
22	0.001534	6.971e-05	0.001883	8.559e-05	_data.py:71(_is_constant_feature)
132	0.001528	1.158e-05	0.003705	2.807e-05	_ufunc_config.py:32(seterr)
454	0.001526	3.361e-06	0.001526	3.361e-06	~:0(<built-in method builtins.round>)
154	0.001526	9.912e-06	0.01547	0.0001005	fromnumeric.py:69(_wrapreduction)
88/22	0.001519	6.905e-05	0.01937	0.0008805	module.py:1475(load)
110	0.001507	1.37e-05	0.04548	0.0004135	init.py:12(_no_grad_uniform_)
132	0.001502	1.138e-05	0.001542	1.168e-05	_utils.py:549(_element_size)
44	0.001487	3.379e-05	0.03892	0.0008846	base.py:509(_validate_data)
454	0.001476	3.252e-06	0.001476	3.252e-06	shape_base.py:424(<setcomp>)
22	0.001471	6.688e-05	0.001471	6.688e-05	~:0(<built-in method torch._C._nn.linear>)
286	0.001469	5.137e-06	0.00319	1.115e-05	grad_mode.py:130(__exit__)
454	0.001446	3.185e-06	0.001446	3.185e-06	shape_base.py:432(<listcomp>)
451	0.001439	3.19e-06	0.01639	3.633e-05	_methods.py:38(_amax)
735	0.001421	1.934e-06	0.001421	1.934e-06	_recattrs.py:51(__init__)
2587	0.001409	5.448e-07	0.001409	5.448e-07	twodim_base.py:236(_diag_dispatcher)
47	0.001407	2.994e-05	0.002344	4.986e-05	warnings.py:35(_formatwarnmsg_impl)
453	0.001397	3.085e-06	0.001397	3.085e-06	byte_tracker.py:36(<listcomp>)
454	0.00138	3.039e-06	0.00138	3.039e-06	_dtype.py:24(_kind_name)
132	0.00137	1.038e-05	0.003791	2.872e-05	module.py:328(register_parameter)
735	0.001311	1.783e-06	0.001311	1.783e-06	~:0(<method 'total_seconds' of 'datetime.timedelta' objects>)
132	0.001291	9.783e-06	0.01606	0.0001217	fromnumeric.py:2162(sum)
264	0.001279	4.844e-06	0.001586	6.009e-06	_utils.py:570(__get__)
466	0.001272	2.729e-06	0.009839	2.111e-05	_methods.py:46(_sum)
132	0.001271	9.632e-06	0.001358	1.029e-05	_ufunc_config.py:131(geterr)
454	0.00124	2.731e-06	0.00124	2.731e-06	~:0(<method 'update' of 'dict' objects>)
88	0.001219	1.385e-05	0.001219	1.385e-05	~:0(<method 'read' of '_io.BufferedReader' objects>)
1384	0.001193	8.621e-07	0.001193	8.621e-07	~:0(<method 'keys' of 'dict' objects>)
22	0.001191	5.412e-05	0.07891	0.003587	base.py:1135(wrapper)
454	0.001176	2.591e-06	0.001176	2.591e-06	arrayprint.py:431(<listcomp>)
1189	0.001173	9.869e-07	0.001173	9.869e-07	~:0(<built-in method _thread.get_ident>)
1657	0.001166	7.038e-07	0.001166	7.038e-07	multiarray.py:80(empty_like)
1189	0.001146	9.641e-07	0.001146	9.641e-07	shape_base.py:508(_expand_dims_dispatcher)
735	0.001141	1.552e-06	0.001141	1.552e-06	threading.py:1031(name)
735	0.001131	1.539e-06	0.001131	1.539e-06	fromnumeric.py:597(_transpose_dispatcher)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
16	0.001105	6.907e-05	0.005962	0.0003727	kalman_filter.py:55(initiate)
735	0.0011	1.496e-06	0.0011	1.496e-06	~:0(<built-in method sys._getframe>)
454	0.001099	2.422e-06	0.001398	3.08e-06	shape_base.py:420(<listcomp>)
88/22	0.001092	4.965e-05	0.003782	0.0001719	module.py:1713(train)
454	0.001085	2.39e-06	0.001085	2.39e-06	byte_tracker.py:278(<listcomp>)
908	0.001082	1.192e-06	0.001082	1.192e-06	arrayprint.py:427(indirect)
66	0.001071	1.623e-05	0.005748	8.709e-05	extmath.py:940(_safe_accumulator_op)
264	0.001071	4.059e-06	0.001405	5.321e-06	_array_api.py:227(__getattr__)
454	0.001067	2.351e-06	0.001067	2.351e-06	byte_tracker.py:328(<listcomp>)
454	0.001064	2.343e-06	0.001064	2.343e-06	byte_tracker.py:287(<listcomp>)
132	0.00103	7.804e-06	0.04366	0.0003307	_utils.py:138(_rebuild_tensor_v2)
44	0.0009894	2.249e-05	0.002296	5.219e-05	validation.py:330(_num_samples)
631	0.0009872	1.565e-06	0.0009872	1.565e-06	~:0(<built-in method builtins.id>)
22	0.0009769	4.44e-05	0.03667	0.001667	linear.py:79(__init__)
88	0.0009724	1.105e-05	0.005226	5.938e-05	~:0(<built-in method builtins.setattr>)
1386	0.0009657	6.967e-07	0.0009657	6.967e-07	multiarray.py:341(where)
735	0.0009644	1.312e-06	0.0009644	1.312e-06	process.py:37(current_process)
110	0.0009635	8.759e-06	0.002045	1.859e-05	module.py:1501(_named_members)
735	0.00096	1.306e-06	0.00096	1.306e-06	~:0(<built-in method builtins.divmod>)
1470	0.0009557	6.501e-07	0.0009557	6.501e-07	~:0(<built-in method posix.fspath>)
923	0.0009508	1.03e-06	0.0009508	1.03e-06	multiarray.py:148(concatenate)
735	0.0009464	1.288e-06	0.0009464	1.288e-06	process.py:189(name)
454	0.0009306	2.05e-06	0.0009306	2.05e-06	byte_tracker.py:329(<listcomp>)
22	0.0008699	3.954e-05	0.0008699	3.954e-05	~:0(<method 'unsqueeze' of 'torch._C._TensorBase' objects>)
44	0.0008629	1.961e-05	0.001237	2.81e-05	_config.py:50(set_config)
106	0.0008464	7.985e-06	0.01517	0.0001431	~:0(<built-in method _abc._abc_instancecheck>)
22	0.0008374	3.806e-05	0.02792	0.001269	linear.py:92(reset_parameters)
735	0.0008372	1.139e-06	0.0008372	1.139e-06	~:0(<method 'date' of 'datetime.datetime' objects>)
22	0.0008359	3.799e-05	0.0009303	4.229e-05	rnn.py:133(flatten_parameters)
735	0.0008357	1.137e-06	0.0008357	1.137e-06	~:0(<method 'time' of 'datetime.datetime' objects>)
858	0.0008121	9.465e-07	0.0008121	9.465e-07	~:0(<built-in method torch._C.is_grad_enabled>)
22	0.0007894	3.588e-05	0.0007894	3.588e-05	~:0(<built-in method sigmoid>)
22	0.0007739	3.518e-05	0.02552	0.00116	init.py:366(kaiming_uniform_)
1050	0.0007726	7.358e-07	0.0007726	7.358e-07	~:0(<method 'items' of 'dict' objects>)
876	0.0007659	8.743e-07	0.0007659	8.743e-07	_misc.py:181(_datacopied)
220	0.0007653	3.479e-06	0.001796	8.165e-06	_config.py:32(get_config)
735	0.0007635	1.039e-06	0.0007635	1.039e-06	fromnumeric.py:193(_reshape_dispatcher)
735	0.0007627	1.038e-06	0.0007627	1.038e-06	~:0(<method 'tzname' of 'datetime.timezone' objects>)
44	0.0007386	1.679e-05	0.001329	3.021e-05	_array_api.py:87(_isdtype_single)
44	0.0007336	1.667e-05	0.0007336	1.667e-05	~:0(<function _load.<locals>.UnpicklerWrapper.find_class at 0x7eefc7b940>)
88	0.0007278	8.27e-06	0.001215	1.381e-05	_array_api.py:70(_is_numpy_namespace)
66	0.0007098	1.075e-05	0.002497	3.783e-05	_array_api.py:360(_asarray_with_order)
44	0.0007089	1.611e-05	0.0008709	1.979e-05	validation.py:277(_num_features)
44	0.0007068	1.606e-05	0.0007507	1.706e-05	warnings.py:458(__enter__)
751	0.0006895	9.181e-07	0.0006895	9.181e-07	numeric.py:72(_zeros_like_dispatcher)
630	0.0006876	1.091e-06	0.0008775	1.393e-06	~:0(<method 'add' of 'set' objects>)
906	0.0006601	7.286e-07	0.0006601	7.286e-07	numeric.py:214(_ones_like_dispatcher)
735	0.0006506	8.852e-07	0.0006506	8.852e-07	~:0(<method 'get' of 'ContextVar' objects>)
22	0.0006443	2.929e-05	0.002076	9.436e-05	serialization.py:46(_is_zipfile)
735	0.0006409	8.719e-07	0.0006409	8.719e-07	codecs.py:214(setstate)
110	0.0006394	5.813e-06	0.06037	0.0005488	init.py:122(uniform_)
659	0.0006385	9.689e-07	0.0006385	9.689e-07	~:0(<method 'startswith' of 'str' objects>)
264	0.0006346	2.404e-06	0.0006346	2.404e-06	storage.py:225(<dictcomp>)
930	0.0006343	6.821e-07	0.0006343	6.821e-07	~:0(<method 'extend' of 'list' objects>)
220	0.0006259	2.845e-06	0.0006259	2.845e-06	~:0(<method 'size' of 'torch._C._TensorBase' objects>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
454	0.0006192	1.364e-06	0.0006192	1.364e-06	~:0(<method 'discard' of 'set' objects>)
22	0.0006015	2.734e-05	0.02024	0.0009198	module.py:1440(load_state_dict)
454	0.0005962	1.313e-06	0.0005962	1.313e-06	~:0(<method 'rstrip' of 'str' objects>)
132	0.0005947	4.505e-06	0.002646	2.005e-05	parameter.py:23(__new__)
132	0.0005906	4.474e-06	0.01742	0.000132	<__array_function__ internals>:177(sum)
44	0.000589	1.339e-05	0.000589	1.339e-05	~:0(<method 'clear' of 'list' objects>)
44/22	0.0005791	2.632e-05	0.09958	0.004526	_set_output.py:155(wrapped)
22	0.000577	2.623e-05	0.002019	9.175e-05	fromnumeric.py:2578(ptp)
154	0.0005653	3.671e-06	0.0006458	4.194e-06	module.py:1621(named_children)
132	0.0005545	4.201e-06	0.0005545	4.201e-06	~:0(<built-in method numpy.seterrobj>)
88	0.000546	6.204e-06	0.000546	6.204e-06	module.py:1384(<dictcomp>)
44	0.0005441	1.237e-05	0.001589	3.611e-05	validation.py:1366(_is_fitted)
22	0.0005438	2.472e-05	0.0005438	2.472e-05	~:0(<method 'squeeze' of 'torch._C._TensorBase' objects>)
466	0.0005347	1.147e-06	0.0005347	1.147e-06	fromnumeric.py:1862(_nonzero_dispatcher)
66	0.0005204	7.885e-06	0.002019	3.059e-05	serialization.py:1032(find_class)
735	0.000513	6.979e-07	0.000513	6.979e-07	fromnumeric.py:1008(_argsort_dispatcher)
22	0.0005106	2.321e-05	0.00176	8e-05	_data.py:87(_handle_zeros_in_scale)
22	0.0005106	2.321e-05	0.0021	9.547e-05	linear.py:102(forward)
44	0.0005037	1.145e-05	0.00085	1.932e-05	warnings.py:181(_add_filter)
22	0.0004942	2.246e-05	0.0004942	2.246e-05	~:0(<method 'close' of '_io.BufferedReader' objects>)
264	0.000488	1.848e-06	0.0009384	3.554e-06	_config.py:24(_get_threadlocal_config)
22	0.0004811	2.187e-05	0.09898	0.004499	base.py:888(fit_transform)
454	0.0004795	1.056e-06	0.0004795	1.056e-06	~:0(<method 'isalnum' of 'str' objects>)
454	0.0004696	1.034e-06	0.0004696	1.034e-06	fromnumeric.py:3436(_std_dispatcher)
44	0.0004692	1.066e-05	0.0008514	1.935e-05	validation.py:1398(<listcomp>)
454	0.0004636	1.021e-06	0.0004636	1.021e-06	~:0(<method 'isalpha' of 'str' objects>)
22	0.0004605	2.093e-05	0.1145	0.005207	rnn.py:664(__init__)
154	0.0004599	2.986e-06	0.001106	7.18e-06	module.py:1612(children)
22	0.0004544	2.065e-05	0.0004544	2.065e-05	serialization.py:1053(_is_torchscript_zip)
132	0.0004523	3.427e-06	0.0005803	4.396e-06	serialization.py:174(default_restore_location)
47	0.0004419	9.403e-06	0.0004419	9.403e-06	warnings.py:403(__init__)
47	0.0004397	9.355e-06	0.0008599	1.83e-05	linecache.py:15(getline)
22	0.0004378	1.99e-05	0.0005004	2.275e-05	init.py:67(calculate_gain)
22	0.0004374	1.988e-05	0.001187	5.397e-05	rnn.py:679(check_forward_args)
44	0.000433	9.842e-06	0.002144	4.873e-05	_array_api.py:75(isdtype)
198	0.0004321	2.182e-06	0.0004321	2.182e-06	module.py:1189(remove_from)
66	0.0004097	6.208e-06	0.002569	3.893e-05	_ufunc_config.py:429(__enter__)
66	0.0004031	6.107e-06	0.001949	2.953e-05	_ufunc_config.py:434(__exit__)
110	0.0003958	3.599e-06	0.0006192	5.629e-06	_array_api.py:247(asarray)
154	0.0003915	2.542e-06	0.0003915	2.542e-06	fromnumeric.py:70(<dictcomp>)
44	0.000391	8.885e-06	0.0008753	1.989e-05	_set_output.py:63(_get_output_config)
735	0.0003828	5.208e-07	0.0003828	5.208e-07	~:0(<method 'utcoffset' of 'datetime.timezone' objects>)
88	0.000378	4.295e-06	0.001011	1.149e-05	_array_api.py:289(get_namespace)
572	0.0003717	6.499e-07	0.0003717	6.499e-07	~:0(<built-in method torch._C._set_grad_enabled>)
22	0.0003696	1.68e-05	0.001442	6.552e-05	_methods.py:277(_ptp)
264	0.0003515	1.331e-06	0.0003515	1.331e-06	~:0(<built-in method numpy.geterrobj>)
47	0.000348	7.404e-06	0.004972	0.0001058	warnings.py:20(_showwarnmsg_impl)
47	0.0003377	7.186e-06	0.0003859	8.211e-06	linecache.py:37(getlines)
264	0.0003351	1.269e-06	0.000542	2.053e-06	serialization.py:949(_maybe_decode_ascii)
44	0.0003347	7.607e-06	0.001722	3.913e-05	_config.py:196(config_context)
44	0.0003303	7.506e-06	0.001199	2.724e-05	warnings.py:165(simplefilter)
22	0.0003243	1.474e-05	0.001294	5.884e-05	validation.py:1404(check_is_fitted)
176	0.0003234	1.837e-06	0.0005281	3.001e-06	_tensor.py:706(__hash__)
22	0.0003203	1.456e-05	0.01481	0.000673	serialization.py:229(_open_file_like)
132	0.0003202	2.426e-06	0.0003202	2.426e-06	overrides.py:1552(is_tensor_like)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
44	0.0003167	7.198e-06	0.001207	2.743e-05	base.py:374(_check_n_features)
110	0.0003158	2.871e-06	0.002361	2.146e-05	module.py:1538(named_parameters)
469	0.0003132	6.679e-07	0.0003132	6.679e-07	numerictypes.py:650(<listcomp>)
396	0.0003125	7.892e-07	0.0003125	7.892e-07	storage.py:319(_untyped)
264	0.0003074	1.164e-06	0.0003074	1.164e-06	__init__.py:606(dtype)
106	0.000307	2.897e-06	0.01547	0.000146	abc.py:96(__instancecheck__)
132	0.0003066	2.323e-06	0.0003066	2.323e-06	~:0(<method '_storage' of 'torch._C._TensorBase' objects>)
22	0.0003057	1.39e-05	0.001241	5.642e-05	numeric.py:1873(isscalar)
22	0.0002887	1.312e-05	0.07983	0.003629	_data.py:814(fit)
264	0.0002801	1.061e-06	0.0002801	1.061e-06	~:0(<method 'split' of 'str' objects>)
44	0.0002767	6.288e-06	0.0002767	6.288e-06	warnings.py:437(__init__)
22	0.000275	1.25e-05	0.0003493	1.588e-05	getlimits.py:458(__new__)
22	0.0002735	1.243e-05	0.0007274	3.306e-05	serialization.py:983(__init__)
44	0.0002642	6.004e-06	0.0002853	6.483e-06	warnings.py:477(__exit__)
286	0.0002623	9.171e-07	0.0002623	9.171e-07	_jit_internal.py:957(is_scripting)
438	0.0002601	5.939e-07	0.0002601	5.939e-07	shape_base.py:77(_atleast_2d_dispatcher)
110	0.0002565	2.331e-06	0.002617	2.379e-05	module.py:1514(parameters)
3	0.0002549	8.495e-05	0.0009567	0.0003189	_param_validation.py:102(make_constraint)
88	0.0002544	2.891e-06	0.001584	1.8e-05	_array_api.py:82(<genexpr>)
66	0.000252	3.819e-06	0.000252	3.819e-06	_ufunc_config.py:425(__init__)
44	0.0002494	5.668e-06	0.0005036	1.145e-05	base.py:420(_check_feature_names)
22	0.0002484	1.129e-05	0.0004538	2.063e-05	storage.py:660(_get_dtype_from_pickle_storage_type)
22	0.0002453	1.115e-05	0.001238	5.627e-05	rnn.py:121(<listcomp>)
22	0.0002426	1.103e-05	0.0006349	2.886e-05	_data.py:801(_reset)
47	0.0002365	5.031e-06	0.005209	0.0001108	warnings.py:96(_showwarnmsg)
44	0.0002361	5.366e-06	0.0002696	6.128e-06	module.py:1668(named_modules)
44	0.0002324	5.281e-06	0.0002324	5.281e-06	~:0(<method 'remove' of 'list' objects>)
44	0.0002279	5.179e-06	0.001103	2.507e-05	_set_output.py:97(_wrap_data_with_container)
16	0.0002209	1.381e-05	0.0002209	1.381e-05	basetrack.py:34(next_id)
88	0.0002194	2.494e-06	0.0002895	3.29e-06	_base.py:1301(isspmatrix)
1	0.0002194	0.0002194	0.0005279	0.0005279	inspect.py:2124(_signature_from_function)
454	0.0002193	4.83e-07	0.0002193	4.83e-07	arrayprint.py:428(<lambda>)
264	0.0002133	8.081e-07	0.0002133	8.081e-07	storage.py:225(<genexpr>)
22	0.0002082	9.465e-06	0.01443	0.0006558	serialization.py:211(__init__)
2	0.0002074	0.0001037	0.02496	0.01248	lapack.py:881(get_lapack_funcs)
3	0.000205	6.834e-05	0.000284	9.466e-05	_param_validation.py:583(__init__)
396	0.000202	5.102e-07	0.000202	5.102e-07	~:0(<method 'items' of 'collections.OrderedDict' objects>)
22	0.0001979	8.994e-06	0.0001979	8.994e-06	~:0(<method 'cpu' of 'torch._C._TensorBase' objects>)
132	0.0001968	1.491e-06	0.0001968	1.491e-06	~:0(<built-in method math.sqrt>)
44	0.0001966	4.467e-06	0.0001966	4.467e-06	serialization.py:200(__init__)
44	0.0001858	4.223e-06	0.00233	5.296e-05	_array_api.py:282(isdtype)
22	0.0001829	8.315e-06	0.002442	0.000111	<__array_function__ internals>:177(ptp)
59/51	0.0001828	3.585e-06	0.01432	0.0002808	abc.py:100(__subclasscheck__)
1	0.0001807	0.0001807	0.01583	0.01583	base.py:630(_validate_params)
44	0.0001779	4.044e-06	0.000266	6.045e-06	validation.py:581(_ensure_no_complex_data)
132	0.0001775	1.345e-06	0.0003553	2.692e-06	parameter.py:129(is_lazy)
22	0.0001746	7.936e-06	0.001015	4.612e-05	fromnumeric.py:2307(any)
22	0.0001738	7.9e-06	0.0009632	4.378e-05	activation.py:292(forward)
1	0.0001686	0.0001686	0.0008139	0.0008139	inspect.py:2218(_signature_from_callable)
88	0.0001638	1.861e-06	0.0009926	1.128e-05	rnn.py:121(<lambda>)
22	0.0001554	7.065e-06	0.0001909	8.677e-06	rnn.py:209(get_expected_hidden_size)
47	0.0001533	3.261e-06	0.002497	5.312e-05	warnings.py:117(_formatwarnmsg)
1	0.0001467	0.0001467	0.001148	0.001148	base.py:147(_get_param_names)
22	0.0001448	6.584e-06	0.0004941	2.246e-05	rnn.py:114(<listcomp>)
44	0.0001433	3.256e-06	0.0001433	3.256e-06	~:0(<method 'tell' of '_io.BufferedReader' objects>)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
44	0.00014	3.183e-06	0.0001746	3.968e-06	validation.py:1987(_get_feature_names)
22	0.0001393	6.331e-06	0.0001866	8.483e-06	<frozen importlib._bootstrap>:389(parent)
22	0.0001345	6.113e-06	0.0001603	7.285e-06	_utils.py:160(_validate_loaded_sparse_tensors)
22	0.0001323	6.016e-06	0.0003232	1.469e-05	_VF.py:25(__getattr__)
22	0.0001322	6.011e-06	0.001464	6.654e-05	<__array_function__ internals>:177(any)
44	0.0001321	3.002e-06	0.0001681	3.82e-06	validation.py:591(_check_estimator_name)
22	0.000128	5.817e-06	0.0002166	9.844e-06	rnn.py:198(check_input)
132	0.000128	9.698e-07	0.000128	9.698e-07	serialization.py:127(_cpu_deserialize)
3	0.0001239	4.129e-05	0.001699	0.0005664	byte_tracker.py:59(re_activate)
110	0.0001186	1.078e-06	0.0001186	1.078e-06	_array_api.py:170(_check_device_cpu)
2	0.0001175	5.875e-05	0.0001833	9.167e-05	blas.py:259(find_best_blas_type)
22	0.0001168	5.31e-06	0.0001168	5.31e-06	serialization.py:315(_check_dill_version)
44	0.0001163	2.643e-06	0.0002115	4.806e-06	rnn.py:223(check_hidden_size)
1	0.0001155	0.0001155	0.0001155	0.0001155	storage.py:188(_dtype_to_storage_type_map)
44	0.0001154	2.623e-06	0.0001154	2.623e-06	~:0(<built-in method builtins.vars>)
22	0.0001128	5.128e-06	0.0003102	1.41e-05	<__array_function__ internals>:177(may_share_memory)
20	0.0001124	5.62e-06	0.0001124	5.62e-06	basetrack.py:51(mark_removed)
22	0.000112	5.092e-06	0.0001348	6.127e-06	module.py:1559(<lambda>)
1	0.0001105	0.0001105	0.01447	0.01447	_param_validation.py:26(validate_parameter_constraints)
47	0.0001101	2.343e-06	0.001658	3.528e-05	~:0(<built-in method builtins.any>)
44	0.0001064	2.418e-06	0.0001986	4.514e-06	validation.py:639(_is_extension_array_dtype)
22	0.0001031	4.685e-06	0.003885	0.0001766	module.py:1735(eval)
4	0.0001011	2.526e-05	0.0001734	4.336e-05	inspect.py:2489(__init__)
22	0.000101	4.591e-06	0.0005952	2.705e-05	serialization.py:214(__exit__)
22	9.964e-05	4.529e-06	9.964e-05	4.529e-06	~:0(<method 'copy' of 'collections.OrderedDict' objects>)
22	9.672e-05	4.396e-06	0.0001309	5.95e-06	rnn.py:667(get_expected_cell_size)
44	9.042e-05	2.055e-06	9.042e-05	2.055e-06	~:0(<method 'insert' of 'list' objects>)
1	8.933e-05	8.933e-05	0.000104	0.000104	inspect.py:2772(__init__)
132	8.849e-05	6.704e-07	8.849e-05	6.704e-07	~:0(<built-in method _warnings._filters_mutated>)
22	8.839e-05	4.018e-06	8.839e-05	4.018e-06	serialization.py:1028(UnpicklerWrapper)
132	8.355e-05	6.33e-07	8.355e-05	6.33e-07	fromnumeric.py:2157(_sum_dispatcher)
12	7.87e-05	6.558e-06	7.87e-05	6.558e-06	basetrack.py:48(mark_lost)
1	7.797e-05	7.797e-05	0.0002054	0.0002054	storage.py:210(_storage_type_to_dtype_map)
47	7.636e-05	1.625e-06	7.636e-05	1.625e-06	~:0(<method 'strip' of 'str' objects>)
1	7.552e-05	7.552e-05	0.0009172	0.0009172	inspect.py:3103(signature)
3	6.88e-05	2.293e-05	0.01335	0.00445	_param_validation.py:591(is_satisfied_by)
88	6.835e-05	7.766e-07	6.835e-05	7.766e-07	module.py:1382(<dictcomp>)
22	6.474e-05	2.943e-06	0.0001116	5.071e-06	<string>:1(__new__)
1	5.88e-05	5.88e-05	6.412e-05	6.412e-05	base.py:161(<listcomp>)
22	5.761e-05	2.618e-06	5.761e-05	2.618e-06	~:0(<method 'seek' of '_io.BufferedReader' objects>)
88	5.532e-05	6.286e-07	5.532e-05	6.286e-07	~:0(<method 'values' of 'collections.OrderedDict' objects>)
88	5.333e-05	6.061e-07	5.333e-05	6.061e-07	~:0(<method 'keys' of 'collections.OrderedDict' objects>)
12	5.297e-05	4.414e-06	5.297e-05	4.414e-06	_param_validation.py:260(__init__)
3	5.078e-05	1.693e-05	0.001007	0.0003358	_param_validation.py:73(<listcomp>)
22	4.896e-05	2.225e-06	8.058e-05	3.663e-06	inspect.py:72(isclass)
1	4.896e-05	4.896e-05	7.146e-05	7.146e-05	inspect.py:493(unwrap)
22	4.802e-05	2.183e-06	5.63e-05	2.559e-06	serialization.py:194(_is_path)
22	4.734e-05	2.152e-06	4.734e-05	2.152e-06	~:0(<method 'rpartition' of 'str' objects>)
22	4.688e-05	2.131e-06	4.688e-05	2.131e-06	rnn.py:691(permute_hidden)
22	4.682e-05	2.128e-06	4.682e-05	2.128e-06	~:0(<built-in method __new__ of type object at 0x5590eddc38>)
1	4.563e-05	4.563e-05	4.563e-05	4.563e-05	~:0(<method 'isOpened' of 'cv2.VideoCapture' objects>)
2	4.349e-05	2.175e-05	4.469e-05	2.234e-05	inspect.py:158(isfunction)
4	4.302e-05	1.076e-05	4.302e-05	1.076e-05	enum.py:631(__new__)
44	4.276e-05	9.718e-07	4.276e-05	9.718e-07	serialization.py:203(__enter__)

ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
22	3.469e-05	1.577e-06	3.469e-05	1.577e-06	serialization.py:961(_get_restore_location)
22	2.974e-05	1.352e-06	2.974e-05	1.352e-06	~:0(<method 'lower' of 'str' objects>)
22	2.839e-05	1.29e-06	2.839e-05	1.29e-06	_array_api.py:12(_check_array_api_dispatch)
1	2.771e-05	2.771e-05	0.0008416	0.0008416	inspect.py:2851(from_callable)
9	2.599e-05	2.888e-06	3.703e-05	4.115e-06	_param_validation.py:292(__init__)
1	2.406e-05	2.406e-05	0.001181	0.001181	base.py:178(get_params)
4	2.37e-05	5.925e-06	6.672e-05	1.668e-05	enum.py:313(__call__)
1	2.344e-05	2.344e-05	2.526e-05	2.526e-05	cProfile.py:133(__exit__)
6	2.115e-05	3.525e-06	2.672e-05	4.453e-06	_param_validation.py:602(<genexpr>)
22	2.104e-05	9.565e-07	2.104e-05	9.565e-07	fromnumeric.py:2302(_any_dispatcher)
22	1.938e-05	8.808e-07	1.938e-05	8.808e-07	multiarray.py:1368(may_share_memory)
1	1.792e-05	1.792e-05	1.927e-05	1.927e-05	inspect.py:513(_is_wrapper)
22	1.687e-05	7.67e-07	1.687e-05	7.67e-07	serialization.py:206(__exit__)
22	1.61e-05	7.316e-07	1.61e-05	7.316e-07	fromnumeric.py:2574(_ptp_dispatcher)
5	1.203e-05	2.407e-06	1.469e-05	2.938e-06	inspect.py:2821(<genexpr>)
1	1.031e-05	1.031e-05	1.031e-05	1.031e-05	storage.py:212(<dictcomp>)
1	9.428e-06	9.428e-06	9.428e-06	9.428e-06	main.py:487(gstreamer_pipeline)
11	7.655e-06	6.959e-07	7.655e-06	6.959e-07	inspect.py:2539(name)
1	6.354e-06	6.354e-06	6.354e-06	6.354e-06	~:0(<built-in method builtins.sorted>)
1	5.312e-06	5.312e-06	6.094e-06	6.094e-06	blas.py:308(<listcomp>)
3	4.479e-06	1.493e-06	5.573e-06	1.858e-06	_param_validation.py:296(is_satisfied_by)
1	4.271e-06	4.271e-06	5.937e-06	5.937e-06	base.py:176(<listcomp>)
6	3.541e-06	5.902e-07	3.541e-06	5.902e-07	inspect.py:2551(kind)
4	3.54e-06	8.85e-07	3.54e-06	8.85e-07	~:0(<method 'isidentifier' of 'str' objects>)
1	2.865e-06	2.865e-06	2.865e-06	2.865e-06	<string>:1(<module>)
1	2.813e-06	2.813e-06	2.813e-06	2.813e-06	~:0(<method 'values' of 'mappingproxy' objects>)
1	1.823e-06	1.823e-06	1.823e-06	1.823e-06	~:0(<method 'disable' of '_lsprof.Profiler' objects>)
1	1.198e-06	1.198e-06	1.198e-06	1.198e-06	~:0(<built-in method builtins.callable>)
1	1.198e-06	1.198e-06	1.198e-06	1.198e-06	inspect.py:2857(parameters)
1	1.094e-06	1.094e-06	1.094e-06	1.094e-06	~:0(<built-in method sys.getrecursionlimit>)
1	9.9e-07	9.9e-07	9.9e-07	9.9e-07	~:0(<method 'index' of 'list' objects>)

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