

FindMax Benchmark Report

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Summary

Directories tested: 102

Results for NUM_FILES = 1

Directory	FindMax (ms)	Shell (ms)	Speedup	FindMax Files	Shell Files
/usr/share	1,220.165	3,114.748	2.550x	1	1
/usr/src	66.105	252.883	3.820x	1	1
/home/github/Ext4Fsd/	2.459	4.921	2.000x	1	1
/home/github/FunASR/	10.107	17.673	1.740x	1	1
/home/github/Janus/	2.133	3.757	1.760x	1	1
/home/github/MiniLPA/	16.256	38.136	2.340x	1	1
/home/github/Sandboxie/	4.058	6.605	1.620x	1	1
/home/github/SillyTavern-Launcher/	79.471	194.252	2.440x	1	1
/home/github/Typon/	2.307	3.776	1.630x	1	1
/home/github/adbfs-rootless/	1.824	3.293	1.800x	1	1
/home/github/aliyun-odps-console/	6.948	9.728	1.400x	1	1
/home/github/apt-fast/	2.121	3.343	1.570x	1	1
/home/github/bas-diff-patch/	5.538	8.938	1.610x	1	1
/home/github/cheese/	6.962	9.362	1.340x	1	1
/home/github/cpython/	11.580	19.742	1.700x	1	1
/home/github/dify/	17.220	27.633	1.600x	1	1
/home/github/geodata/	2.180	3.864	1.770x	1	1
/home/github/ghidra/	50.426	87.900	1.740x	1	1
/home/github/gitg/	4.698	8.871	1.880x	1	1
/home/github/gitstats/	2.243	3.592	1.600x	1	1
/home/github/ipex-lm/	7.322	12.707	1.730x	1	1
/home/github/jQuery-File-Upload/	2.342	3.850	1.640x	1	1
/home/github/kitty/	4.108	7.038	1.710x	1	1
/home/github/lightdm-gtk-greeter-2.0.8/	2.514	3.839	1.520x	1	1
/home/github/linuxdeploy/	5.796	8.840	1.520x	1	1
/home/github/namecheap-cli/	2.043	3.762	1.840x	1	1
/home/github/nextwind/	11.433	17.432	1.520x	1	1
/home/github/ollama-benchmark/	2.453	3.331	1.350x	1	1
/home/github/ollama/	4.572	7.661	1.670x	1	1
/home/github/open-webui/	8.964	20.807	2.320x	1	1
/home/github/pgadmin4/	16.008	32.858	2.050x	1	1
/home/github/shadowsocks-libev/	8.036	14.925	1.850x	1	1
/home/github/weaviate/	9.560	15.439	1.610x	1	1
/home/github/windframework/	2.826	4.414	1.560x	1	1

Section Summary (NUM_FILES = 1):

- Total FindMax time: 1,602.776 milliseconds
- Total Shell time: 3,979.921 milliseconds
- Average speedup: 2.483x

Results for NUM_FILES = 10

Directory	FindMax (ms)	Shell (ms)	Speedup	FindMax Files	Shell Files
/usr/share	1,206.947	2,984.420	2.470x	10	10
/usr/src	59.735	221.345	3.700x	10	10
/home/github/Ext4Fsd/	2.825	4.170	1.470x	10	10
/home/github/FunASR/	8.834	16.421	1.850x	10	10
/home/github/Janus/	2.034	3.522	1.730x	10	10
/home/github/MiniLPA/	14.915	33.884	2.270x	10	10
/home/github/Sandboxie/	3.988	6.613	1.650x	10	10
/home/github/SillyTavern-Launcher/	76.504	179.776	2.340x	10	10
/home/github/Typon/	1.942	3.516	1.810x	10	10
/home/github/adbfs-rootless/	2.042	3.230	1.580x	10	10
/home/github/aliyun-odps-console/	6.970	10.610	1.520x	10	10
/home/github/apt-fast/	1.909	3.334	1.740x	10	10
/home/github/bas-diff-patch/	4.839	9.066	1.870x	10	10
/home/github/cheese/	6.060	9.463	1.560x	10	10
/home/github/cpython/	10.820	18.125	1.670x	10	10
/home/github/dify/	13.859	24.620	1.770x	10	10
/home/github/geodata/	2.098	3.647	1.730x	10	10
/home/github/ghidra/	48.977	90.220	1.840x	10	10
/home/github/gitg/	5.025	7.668	1.520x	10	10
/home/github/gitstats/	1.870	3.391	1.810x	10	10
/home/github/ipex-llm/	6.279	9.353	1.480x	10	10
/home/github/jQuery-File-Upload/	2.057	3.576	1.730x	10	10
/home/github/kitty/	3.493	5.807	1.660x	10	10
/home/github/lightdm-gtk-greeter-2.0.8/	2.252	3.756	1.660x	10	10
/home/github/linuxdeploy/	5.304	8.980	1.690x	10	10
/home/github/namecheap-cli/	2.251	3.606	1.600x	10	10
/home/github/nextwind/	9.616	16.431	1.700x	10	10
/home/github/ollama-benchmark/	2.044	3.328	1.620x	10	10
/home/github/ollama/	4.392	7.694	1.750x	10	10
/home/github/open-webui/	8.708	18.726	2.150x	10	10
/home/github/pgadmin4/	15.282	29.127	1.900x	10	10
/home/github/shadowsocks-libev/	7.081	13.837	1.950x	10	10
/home/github/weaviate/	9.186	14.686	1.590x	10	10
/home/github/windframework/	2.707	4.412	1.620x	10	10

Section Summary (NUM_FILES = 10):

- Total FindMax time: 1,562.844 milliseconds
- Total Shell time: 3,780.360 milliseconds
- Average speedup: 2.418x

Results for NUM_FILES = 1000

Directory	FindMax (ms)	Shell (ms)	Speedup	FindMax Files	Shell Files
/usr/share	1,166.477	3,132.090	2.680x	1,000	1,000
/usr/src	68.612	287.835	4.190x	1,000	1,000
/home/github/Ext4Fsd/	5.275	11.039	2.090x	288	288
/home/github/FunASR/	21.480	24.993	1.160x	1,000	1,000
/home/github/Janus/	3.477	3.720	1.060x	90	90
/home/github/MiniLPA/	21.290	39.768	1.860x	1,000	1,000
/home/github/Sandboxie/	7.957	7.434	0.930x	1,000	1,000
/home/github/SillyTavern-Launcher/	94.775	207.214	2.180x	1,000	1,000
/home/github/Typon/	3.076	3.862	1.250x	174	174
/home/github/adbfs-rootless/	2.398	3.127	1.300x	37	37
/home/github/aliyun-odps-console/	11.031	11.429	1.030x	1,000	1,000

/home/github/apt-fast/	2.457	3.338	1.350x	37	37
/home/github/bas-diff-patch/	8.553	8.944	1.040x	1,000	1,000
/home/github/cheese/	9.550	9.941	1.040x	1,000	1,000
/home/github/cpython/	14.812	20.760	1.400x	1,000	1,000
/home/github/dify/	22.211	31.534	1.410x	1,000	1,000
/home/github/geodata/	3.409	4.342	1.270x	212	212
/home/github/ghidra/	60.765	101.720	1.670x	1,000	1,000
/home/github/gitg/	9.732	17.303	1.770x	1,000	1,000
/home/github/gitstats/	2.145	3.690	1.720x	41	41
/home/github/ipex-llm/	11.075	9.851	0.880x	1,000	1,000
/home/github/jQuery-File-Upload/	2.693	4.321	1.600x	102	102
/home/github/kitty/	7.266	5.325	0.730x	748	748
/home/github/lightdm-gtk-greeter-2.0.8/	3.078	3.956	1.280x	259	259
/home/github/linuxdeploy/	9.166	8.390	0.910x	1,000	1,000
/home/github/namecheap-cli/	2.198	4.089	1.860x	54	54
/home/github/nextrwind/	15.372	17.792	1.150x	1,000	1,000
/home/github/ollama-benchmark/	2.674	3.436	1.280x	71	71
/home/github/ollama/	10.743	9.738	0.900x	1,000	1,000
/home/github/open-webui/	14.700	30.973	2.100x	1,000	1,000
/home/github/pgadmin4/	39.388	32.433	0.820x	1,000	1,000
/home/github/shadowsocks-libev/	11.615	14.217	1.220x	1,000	1,000
/home/github/weaviate/	13.377	15.037	1.120x	1,000	1,000
/home/github/windframework/	3.771	4.127	1.090x	318	318

Section Summary (NUM_FILES = 1000):

- Total FindMax time: 1,686.600 milliseconds
- Total Shell time: 4,097.765 milliseconds
- Average speedup: 2.429x

Overall Performance Summary

- Total FindMax time: 4,852.220 milliseconds
- Total Shell time: 11,858.046 milliseconds
- Average speedup: 2.443x