Komety przechodzące przez peryhelium w 2024 roku

Nazwa	q	e	i	a	P	H(0)	T_0	m_{max}
Tsuchinshan (C/2021 S4)	6.689	0.9593	17.479	164	2109	6.5	I 2.4025	18.6
P/PANSTARRS (311P)	1.935	0.116	4.97	2.189	3.24	17	2.0427	20.4
P/LINEAR (216P)	2.127	0.4486	9.063	3.857	7.58	13	6.8587	16.8
Elenin (P/2011 NO1)	1.247	0.7748	15.245	5.536	13.03	15	15.9534	16.9
PANSTARRS (C/2022 H1)	7.697	0.9895	49.838	736	20 tys.	6	17.2048	19.1
Lemmon (C/2023 S3)	0.83	0.9707	140.497	28.375	151.15	16	19.6277	16.3
P/Kushida (144P)	1.399	0.635	3.932	3.832	7.5	8.5	25.7674	10.4
P/NEAT (207P)	0.938	0.7584	10.201	3.883	7.65	16	31.8094	12.9
P/LINEAR (194P)	1.8	0.5633	11.808	4.121	8.36	16	II 3.9843	18.3
PANSTARRS (P/2023 V2)	3.104	0.5728	9.878	7.267	19.59	13.5	4.4788	20.4
P/LINEAR (219P)	2.355	0.354	11.54	3.645	6.96	11	13.8028	17.0
P/LINEAR (251P)	1.741	0.5045	23.387	3.514	6.59	16.5	13.2427	19.1
PANSTARRS (C/2021 S3)	**1.32**	**1.0002**	**58.533**	**—**	**—**	**5.5**	**14.7167**	**7.4**
Lemmon (C/2022 T1)	3.445	0.9997	22.544	12 tys.	1.3 mln	12	17.5025	19.4
PANSTARRS (C/2023 H3)	5.233	0.6161	2.489	13.632	50.33	10	19.0692	20.4
NEAT (P/2001 Q6)	1.406	0.8237	56.912	7.971	22.5	13.5	28.3133	16.4
PANSTARRS (P/2019 A3)	2.307	0.2661	15.375	3.144	5.57	16	III 2.6486	21.6
P/Spacewatch (125P)	1.527	0.5121	9.985	3.129	5.54	13	7.3044	16.6
PANSTARRS (P/2010 T2)	3.778	0.329	7.889	5.631	13.36	11.5	8.0521	20.0
P/Catalina-LINEAR (227P)	1.624	0.5275	7.509	3.436	6.37	16.5	8.2276	16.9
ATLAS (C/2022 L2)	2.693	1.0015	129.315	—	—	6.5	12.2798	12.1
P/LONEOS (150P)	1.746	0.5489	18.547	3.87	7.61	13.5	12.4477	15.6
Catalina-PANSTARRS (P/2013 R3)	2.196	0.2756	0.865	3.031	5.28	14	20.5434	19.2
Catalina-PANSTARRS (P/2013 R3-A)	2.196	0.2755	0.864	3.031	5.28	9	20.1705	14.2
Catalina-PANSTARRS (P/2013 R3-B)	2.196	0.2755	0.865	3.031	5.28	9	20.5673	14.2
PANSTARRS (C/2021 Q6)	8.708	1.0003	161.847	—	—	6	24.6894	19.9
Leonard (C/2022 U1)	4.202	0.9995	128.149	9 tys.	860 tys.	8.5	25.7614	17.8
P/Russell (89P)	2.222	0.4079	12.072	3.752	7.27	11.5	26.6062	18.2
P/LINEAR (309P)	1.67	0.6184	17.024	4.376	9.15	15	29.0294	19.1
P/LINEAR-NEAT (355P)	1.707	0.5079	11.047	3.469	6.46	15.5	IV 1.4222	18.8
P/McNaught-Hughes (130P)	1.823	0.461	6.064	3.382	6.22	10	14.8682	15.7
P/ComasSola (32P)	2.025	0.5557	9.921	4.557	9.73	6.5	20.5785	14.4
P/Pons-Brooks (12P)	**0.781**	**0.9546**	**74.191**	**17.193**	**71.29**	**5**	**21.1245**	**4.4**
P/LONEOS (267P)	1.238	0.6143	6.143	3.209	5.75	19.5	24.8035	22.0
P/NEAT (212P)	1.612	0.5869	22.145	3.903	7.71	17	25.0858	19.4
P/Catalina-PANSTARRS (299P)	3.156	0.2809	10.467	4.389	9.2	11.5	30.4970	18.2
P/Elst-Pizarro (133P)	2.671	0.1562	1.39	3.165	5.63	15.4	V 10.3307	18.7
P/Arend (50P)	1.922	0.5298	19.101	4.088	8.27	9.5	12.8238	16.1
P/LINEAR (222P)	0.827	0.7147	5.096	2.898	4.93	20	12.8884	20.2
P/Scotti (202P)	3.07	0.2534	2.142	4.112	8.34	13.5	17.2608	20.4
P/Wirtanen (46P)	1.055	0.6588	11.75	3.091	5.44	14	19.1082	15.9
PANSTARRS (P/2023 T1)	2.817	0.3352	6.607	4.237	8.72	14	22.9081	20.5
P/Shoemaker-Levy (192P)	1.465	0.7734	24.585	6.462	16.43	15	24.3605	18.3
P/Lemmon (349P)	2.51	0.2985	5.489	3.578	6.77	14	27.2240	18.9
Spacewatch-LINEAR (P/2004 DO29)	4.077	0.4418	14.529	7.305	19.74	13.5	VI 3.1229	19.1
P/Brewington (154P)	1.553	0.6762	17.634	4.796	10.5	2.5	11.4473	10.1
PANSTARRS (C/2023 Q2)	3.209	0.9906	104.055	340.264	6280	11.5	24.094	18.3
P/Olbers (13P)	**1.175**	**0.9305**	**44.651**	**16.913**	**69.55**	**5**	**30.0317**	**7.5**
SOHO (P/2003 T12)	0.594	0.7703	11.025	2.585	4.16	17	VII 3.7522	15.3
P/LINEAR (209P)	0.965	0.6739	21.282	2.959	5.09	17	14.5077	17.3
NEAT-LINEAR (P/2002 T6)	3.387	0.5654	10.857	7.794	21.76	10.5	17.2258	18.1
Lemmon (C/2022 S4)	2.762	0.9983	101.222	1615	65 tys.	8	18.6007	14.6
362P	2.866	0.2787	15.556	3.973	7.92	12.9	20.3217	16.6
LINEAR (P/2010 WK)	1.782	0.6907	11.402	5.762	13.83	14.5	21.3144	17.4
TOTAS (P/2014 C1)	1.66	0.4519	2.692	3.029	5.27	15.5	26.8819	19.4
Bok (C/2022 U3)	4.827	1.0033	33.635	—	—	7.5	27.9690	17.5
P/LONEOS-Tucker (328P)	1.874	0.5527	17.675	4.189	8.57	14.5	27.9588	18.0
P/McNaught (338P)	2.288	0.4121	25.386	3.892	7.68	12	VIII 2.9497	16.5
P/Shoemaker-LINEAR (146P)	1.42	0.6475	23.117	4.027	8.08	15	5.4718	17.0
PANSTARRS (C/2023 R2)	0.906	1.0008	30.737	—	—	10.5	12.0873	11.4
P/Reinmuth (30P)	1.813	0.515	8.051	3.738	7.23	9.5	17.1123	15.6
P/Lemmon-PANSTARRS (457P)	2.332	0.1187	5.225	2.646	4.3	15.5	20.4775	19.8
P/McMillan (208P)	2.529	0.374	4.412	4.040	8.12	12.5	23.8380	17.5
P/LINEAR (345P)	3.14	0.2214	2.728	4.033	8.1	12	30.7631	18.6
P/de Vico-Swift-NEAT (54P)	2.172	0.4264	6.064	3.787	7.37	9	IX 3.8565	12.8
Spacewatch-PANSTARRS (P/2014 MG4)	3.717	0.2588	9.365	5.014	11.23	9.5	7.1655	17.4
ATLAS (C/2021 G2)	4.982	0.9997	48.475	14 tys.	1.7 mln	5.5	IX 9.4246	15.7

Nazwa	q	e	i	a	P	H(0)	T_0	m_{max}
ATLAS (C/2022 E2)	3.667	1.0007	137.127	—	—	5	14.0498	13.1
P/Kowalski (384P)	1.112	0.6163	7.283	2.899	4.94	19.5	19.1288	19.0
Tsuchinshan-ATLAS (C/2023 A3)	**0.391**	**1.0001**	**139.117**	**—**	**—**	**5**	**27.7330**	**0.4**
ATLAS (P/2019 M2)	1.068	0.6473	12.27	3.029	5.27	21.2	28.1753	22.2
P/WISE (360P)	1.852	0.4993	24.109	3.698	7.11	19.5	X 3.6990	23.2
P/Forbes (37P)	1.617	0.5329	8.948	3.463	6.44	13.8	11.2875	17.2
Fuls (C/2023 U1)	4.959	1.0102	108.19	—	—	8	13.9696	18.3
PANSTARRS (P/2015 HG16)	3.12	0.3502	18.996	4.802	10.52	12.5	15.9774	19.3
P/PANSTARRS (253P)	2.027	0.4146	4.945	3.463	6.44	14.5	20.9138	17.7
Siding Spring (P/2012 US27)	1.815	0.6484	39.367	5.163	11.73	13.5	21.1718	15.9
P/LINEAR (234P)	2.821	0.2567	11.536	3.796	7.39	12	23.5223	18.6
P/LONEOS-Christensen (316P)	3.716	0.1576	9.819	4.411	9.27	13.5	26.2687	21.4
P/Daniel (33P)	2.241	0.452	22.294	4.091	8.27	10	XI 11.4032	21.3
P/Lemmon (363P)	1.719	0.5192	5.392	3.574	6.76	17.5	13.2280	20.8
ATLAS (C/2023 C2)	2.368	0.9993	48.316	3244	185 tys.	7	16.8264	12.7
P/Skiff (305P)	1.419	0.694	11.667	4.637	9.99	18	17.0996	18.7
PANSTARRS (C/2023 H1)	4.442	0.9972	21.778	1563	62 tys.	12.6	28.4066	22.1
P/LINEAR (333P)	1.113	0.7366	31.985	4.226	8.69	15	28.8198	15.9
PANSTARRS (C/2023 Q1)	2.575	1.0041	36.672	—	—	10	XII 1.4101	15.5
P/Vorobjov (276P)	3.898	0.2688	14.813	5.332	12.31	11.5	11.8456	19.7
PANSTARRS (P/2015 R2)	2.455	0.4525	15.482	4.484	9.49	14.5	15.6624	20.1
P/Bernardi (268P)	2.441	0.4735	15.627	4.637	9.98	14	17.688	19.0
P/Mueller (190P)	2.02	0.5223	2.174	4.228	8.69	13	24.0603	16.7
P/Spahr (242P)	3.971	0.2808	32.483	5.522	12.98	8	24.1509	16.5

[Elementy orbit wg. *https://minorplanetcenter.net/iau/Ephemerides/Comets/Soft02Cmt.txt*, pobrane 9.11.2023]

Oznaczenia w tabelach:

q – odległość komety od Słońca w peryhelium [au]
e – mimośród orbity komety
i – nachylenie orbity komety do płaszczyzny ekliptyki [°]
a – wielka półoś orbity komety [au]
P – okres obiegu komety wokół Słońca (w latach)
H(0) – jasność absolutna komety (1 au od Ziemi i 1 au od Słońca) [^{m}].
T_0– data przejścia komety przez peryhelium w 2024 roku
m_{max} – maksymalna spodziewana jasność komety [^{m}]