

代表的なX線波長での分散補正項と質量吸収係数 (Cromer-Liberman法により計算された値)

元素 記号	$\lambda = 0.70 \text{ \AA}$			$\lambda = 1.00 \text{ \AA}$			$\lambda = 1.54 \text{ \AA}$		
	$\Delta f'$	$\Delta f''$	μ/ρ (cm^2/g)	$\Delta f'$	$\Delta f''$	μ/ρ (cm^2/g)	$\Delta f'$	$\Delta f''$	μ/ρ (cm^2/g)
H	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
He	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Li	-0.001	0.000	0.018	0.000	0.000	0.059	0.000	0.000	0.252
Be	0.000	0.000	0.059	0.001	0.001	0.191	0.003	0.001	0.793
B	0.000	0.001	0.144	0.003	0.001	0.465	0.008	0.004	1.897
C	0.002	0.002	0.308	0.006	0.003	0.981	0.017	0.009	3.938
N	0.004	0.003	0.541	0.012	0.007	1.703	0.029	0.018	6.723
O	0.007	0.006	0.871	0.020	0.013	2.714	0.046	0.032	10.526
F	0.013	0.010	1.247	0.031	0.022	3.847	0.069	0.053	14.672
Ne	0.021	0.016	1.876	0.045	0.034	5.723	0.097	0.083	21.563
Na	0.030	0.024	2.503	0.063	0.051	7.560	0.130	0.124	28.153
Mg	0.040	0.035	3.455	0.082	0.074	10.341	0.165	0.177	38.069
Al	0.055	0.050	4.402	0.107	0.104	13.059	0.204	0.245	47.542
Si	0.069	0.069	5.797	0.133	0.141	17.050	0.244	0.330	61.422
P	0.088	0.092	7.041	0.163	0.187	20.549	0.283	0.433	73.122
S	0.108	0.120	8.908	0.193	0.244	25.816	0.319	0.556	90.706
Cl	0.129	0.154	10.348	0.224	0.311	29.795	0.347	0.701	103.428
Ar	0.152	0.195	11.610	0.253	0.390	33.167	0.365	0.871	114.007
K	0.176	0.243	14.774	0.282	0.482	41.841	0.366	1.065	142.411
Ca	0.199	0.299	17.710	0.306	0.587	49.729	0.340	1.285	167.590
Sc	0.221	0.362	19.156	0.325	0.707	53.399	0.285	1.532	178.179
Ti	0.244	0.435	21.576	0.337	0.843	59.752	0.190	1.806	197.180
V	0.263	0.516	24.095	0.338	0.995	66.308	0.036	2.108	216.391
Cr	0.280	0.608	27.810	0.326	1.165	76.076	-0.199	2.442	245.585
Mn	0.293	0.711	30.752	0.291	1.351	83.516	-0.569	2.803	266.800
Fe	0.299	0.824	35.079	0.236	1.555	94.541	-1.175	3.195	299.164
Co	0.299	0.949	38.280	0.155	1.777	102.392	-2.403	3.612	320.425

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Ni	0.286	1.086	43.989	0.033	2.019	116.816	-3.068	0.509	45.319
Cu	0.265	1.236	46.226	-0.133	2.282	121.912	-2.026	0.588	48.415
Zn	0.227	1.398	50.802	-0.387	2.564	133.127	-1.614	0.677	54.164
Ga	0.172	1.572	53.583	-0.744	2.862	139.352	-1.355	0.776	58.170
Ge	0.096	1.760	57.604	-1.300	3.179	148.671	-1.164	0.885	63.721
As	-0.007	1.961	62.218	-2.322	3.524	159.685	-1.011	1.004	70.097
Se	-0.147	2.177	65.527	-3.470	0.518	22.293	-0.881	1.136	75.252
Br	-0.334	2.406	71.567	-2.219	0.585	24.852	-0.769	1.280	83.733
Kr	-0.590	2.650	75.160	-1.771	0.659	26.684	-0.665	1.437	89.690
Rb	-0.945	2.905	80.779	-1.507	0.738	29.302	-0.575	1.607	98.295
Sr	-1.474	3.182	86.306	-1.302	0.839	32.495	-0.466	1.819	108.527
Y	-2.450	3.477	92.945	-1.153	0.935	35.725	-0.387	2.023	118.976
Zr	-3.646	0.544	14.184	-1.031	1.041	38.729	-0.315	2.242	128.531
Nb	-2.349	0.605	15.468	-0.924	1.154	42.188	-0.248	2.480	139.569
Mo	-1.907	0.669	16.584	-0.835	1.276	45.174	-0.192	2.732	148.892
Tc	-1.645	0.739	17.926	-0.752	1.407	48.746	-0.147	3.002	160.155
Ru	-1.461	0.814	19.149	-0.676	1.548	51.985	-0.106	3.293	170.331
Rh	-1.322	0.895	20.670	-0.609	1.697	55.989	-0.077	3.601	182.959
Pd	-1.207	0.982	21.923	-0.543	1.857	59.248	-0.057	3.930	193.078
Ag	-1.111	1.074	23.666	-0.484	2.027	63.806	-0.057	4.278	207.361
Cd	-1.029	1.173	24.801	-0.433	2.209	66.717	-0.079	4.649	216.247
In	-0.959	1.278	26.461	-0.393	2.402	71.017	-0.126	5.040	229.532
Sn	-0.896	1.391	27.839	-0.354	2.606	74.543	-0.193	5.454	240.233
Sb	-0.840	1.509	29.461	-0.323	2.823	78.717	-0.288	5.889	252.905
Te	-0.794	1.635	30.455	-0.304	3.052	81.209	-0.418	6.347	260.062
I	-0.748	1.768	33.120	-0.287	3.295	88.149	-0.578	6.829	281.370
Xe	-0.706	1.911	34.589	-0.279	3.554	91.904	-0.781	7.342	292.401

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Cs	-0.666	2.068	36.980	-0.274	3.838	98.038	-1.019	7.897	310.674
Ba	-0.634	2.227	38.535	-0.287	4.124	101.958	-1.330	8.454	321.861
La	-0.608	2.393	40.943	-0.319	4.422	108.096	-1.712	9.029	339.846
Ce	-0.581	2.570	43.596	-0.351	4.740	114.868	-2.162	9.647	360.006
Pr	-0.562	2.753	46.438	-0.406	5.067	122.101	-2.726	10.275	381.283
Nd	-0.551	2.945	48.530	-0.481	5.407	127.280	-3.429	10.925	396.006
Pm	-0.544	3.148	50.920	-0.569	5.763	133.190	-4.349	11.604	412.975
Sm	-0.544	3.360	53.107	-0.679	6.135	138.540	-5.659	12.302	427.785
Eu	-0.550	3.581	56.012	-0.809	6.522	145.717	-10.104	11.264	387.548
Gd	-0.569	3.812	57.615	-0.976	6.921	149.436	-9.233	11.979	398.305
Tb	-0.589	4.057	60.673	-1.160	7.348	156.982	-9.652	9.226	303.522
Dy	-0.620	4.308	63.008	-1.376	7.782	162.583	-10.198	9.845	316.766
Ho	-0.664	4.571	65.868	-1.639	8.234	169.509	-15.742	3.701	117.327
Er	-0.717	4.844	68.831	-1.952	8.704	176.686	-9.923	3.934	122.980
Tm	-0.784	5.129	72.150	-2.333	9.190	184.700	-8.534	4.178	129.306
Yb	-0.869	5.422	74.476	-2.778	9.690	190.132	-7.719	4.428	133.806
Lu	-0.968	5.725	77.767	-3.323	10.199	197.909	-7.142	4.689	140.111
Hf	-1.088	6.045	80.493	-4.021	10.741	204.312	-6.721	4.972	145.651
Ta	-1.220	6.376	83.742	-4.904	11.298	211.994	-6.355	5.266	152.160
W	-1.372	6.718	86.851	-6.217	11.863	219.085	-6.052	5.571	158.449
Re	-1.550	7.070	90.243	-7.889	10.775	196.462	-5.807	5.885	165.260
Os	-1.755	7.436	92.900	-11.371	11.362	202.786	-5.598	6.214	170.797
Ir	-1.988	7.815	96.622	-8.388	8.590	151.734	-5.409	6.559	178.399
Pt	-2.259	8.206	99.976	-8.455	9.050	157.509	-5.251	6.918	185.411
Au	-2.560	8.609	103.879	-9.278	9.519	164.076	-5.098	7.289	193.488
Hg	-2.931	9.026	106.942	-12.124	10.022	169.640	-4.991	7.677	200.120
Tl	-3.364	9.456	109.959	-10.683	4.054	67.352	-4.883	8.080	206.714

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Pb	-3.892	9.897	113.522	-8.986	4.271	69.982	-4.819	8.496	214.398
Bi	-4.550	10.349	117.698	-8.125	4.492	72.977	-4.779	8.921	223.197
Po	-5.445	10.820	123.047	-7.547	4.726	76.780	-4.759	9.373	234.499
At	-6.900	11.293	127.819	-7.144	4.966	80.292	-4.773	9.833	244.826
Rn	-8.030	10.212	109.315	-6.823	5.213	79.719	-4.790	10.306	242.721
Fr	-8.739	7.583	80.806	-6.566	5.467	83.235	-4.834	10.791	253.000
Ra	-7.733	7.935	83.439	-6.367	5.728	86.043	-4.898	11.284	261.033
Ac	-7.652	8.302	86.907	-6.208	5.994	89.640	-4.994	11.786	271.445
Th	-7.910	8.681	88.911	-6.066	6.275	91.809	-5.091	12.316	277.525
Pa	-8.513	9.071	93.310	-5.964	6.558	96.376	-5.215	12.854	290.905
U	-9.633	9.453	94.383	-5.876	6.847	97.658	-5.358	13.395	294.230
Np	-12.869	9.843	98.681	-5.808	7.144	102.322	-5.527	13.952	307.741
Pu	-11.884	4.209	40.988	-5.818	7.389	102.790	-5.706	14.359	307.608
Am	-9.441	4.411	43.132	-5.727	7.748	108.221	-5.928	15.073	324.242
Cm	-8.748	4.593	44.177	-5.721	8.051	110.641	-6.174	15.620	330.556
Bk	-8.219	4.797	46.147	-5.705	8.407	115.532	-6.491	16.301	344.978
Cf	-8.026	4.965	46.994	-5.770	8.669	117.220	-6.735	16.724	348.258