Erratum: Time-resolved Fourier-transform infrared emission spectroscopy of Ag in the (1300–3600)-cm^{-1} region: Transitions involving f and g states and oscillator strengths [Phys. Rev. A 82, 022502 (2010)]

S. Civiš, I. Matulková, J. Cihelka, P. Kubelík, K. Kawaguchi, and V. E. Chernov

(Received 11 August 2019; published 19 September 2019)

DOI: 10.1103/PhysRevA.100.039902

Tables VIII–XV of our original paper contain incorrect last columns (A values) whereas the other columns (S and f values) are correct. These values are connected by the following relationship (6): $A_{ki} = \frac{2.0261\times10^{18}}{\lambda_{ik}^3 g_k} S_{ik}$. The incorrect A values were obtained from the correct S values due to erroneous g factors (which should be $g_k = 2J_k + 1$) used in the code which calculated these tables. Corrected versions of Tables VIII–XV are given here. Please note that none of the conclusions were affected by the errors in the tables.

The authors are grateful to A. Kramida (NIST) who pointed out this error. V.E.C. acknowledges financial support from Russian Ministry of Education and Science (Grant No. 3.4826.2017/8.9). S.C. acknowledges the support by the ERDF/ESF “Centre of Advanced Applied Sciences” (Grant No. CZ.02.1.01/0.0/0.0/16_019/0000778).

TABLE VIII. Fues model potential- (FMP-) calculated transition dipole moments (line strengths $S_{i\to k}$, oscillator strengths $f_{i\to k}$, and transition probabilities $A_{k\to i}$) between $(4d^{10})n_i f$ and $(4d^{10})n_k g$ states of the Ag atom in the 1300–4000-cm^{-1} range. The Ritz wave-numbers ν and vacuum wavelengths λ are calculated using the energy-level values from the cited references.

Transition $i \leftarrow k$	Lower level (cm^{-1})	Upper level (cm^{-1})	ν (cm^{-1})	λ (nm)	S_{ik} (a.u.)	f_{ik}	A_{ki} (s^{-1})
$4f_{\frac{5}{2}} \leftarrow 5g_{\frac{7}{2}}$	54204.73	56711.1	2506.370	3989.83	1.06×10^3	1.34	4.22×10^6
$4f_{\frac{7}{2}} \leftarrow 5g_{\frac{7}{2}}$	54204.73	56711.1	2506.370	3989.83	3.92×10^1	3.73×10^{-2}	1.56×10^5
$4f_{\frac{7}{2}} \leftarrow 5g_{\frac{9}{2}}$	54204.73	56711.1	2506.370	3989.83	1.37×10^3	1.31	4.38×10^6
$4f_{\frac{5}{2}} \leftarrow 6g_{\frac{7}{2}}$	54204.73	58054.723	3849.993	2597.41	9.57×10^1	1.87×10^{-1}	1.38×10^6
$4f_{\frac{7}{2}} \leftarrow 6g_{\frac{7}{2}}$	54204.73	58054.723	3849.993	2597.41	3.54	5.18×10^{-3}	5.12×10^4
$4f_{\frac{7}{2}} \leftarrow 6g_{\frac{9}{2}}$	54204.73	58054.723	3849.993	2597.41	1.24×10^2	1.81×10^{-1}	1.43×10^6
$5f_{\frac{5}{2}} \leftarrow 6g_{\frac{7}{2}}$	56691.275	58054.723	1363.448	7334.35	1.69×10^3	1.17	1.08×10^6
$5f_{\frac{7}{2}} \leftarrow 6g_{\frac{7}{2}}$	56691.397	58054.723	1363.326	7335.00	6.26×10^1	3.24×10^{-2}	4.02×10^4
$5f_{\frac{7}{2}} \leftarrow 6g_{\frac{9}{2}}$	56691.397	58054.723	1363.326	7335.00	2.19×10^3	1.13	1.12×10^6
$5f_{\frac{5}{2}} \leftarrow 7g_{\frac{7}{2}}$	56691.275	58864.694	2173.419	4601.05	2.10×10^2	2.32×10^{-1}	5.47×10^5
$5f_{\frac{7}{2}} \leftarrow 7g_{\frac{7}{2}}$	56691.397	58864.694	2173.297	4601.30	7.79	6.43×10^{-3}	2.03×10^4
$5f_{\frac{7}{2}} \leftarrow 7g_{\frac{9}{2}}$	56691.397	58864.694	2173.297	4601.30	2.73×10^2	2.25×10^{-1}	5.67×10^5
$5f_{\frac{5}{2}} \leftarrow 8g_{\frac{7}{2}}$	56691.275	59390.301	2699.026	3705.04	6.33×10^1	8.65×10^{-2}	3.15×10^5
$5f_{\frac{7}{2}} \leftarrow 8g_{\frac{7}{2}}$	56691.397	59390.301	2698.904	3705.21	2.35	2.40×10^{-3}	1.17×10^4
$5f_{\frac{7}{2}} \leftarrow 8g_{\frac{9}{2}}$	56691.397	59390.301	2698.904	3705.21	8.21×10^1	8.41×10^{-2}	3.27×10^5
$6f_{\frac{5}{2}} \leftarrow 8g_{\frac{7}{2}}$	58045.481	59390.301	1344.820	7435.94	3.61×10^2	2.46×10^{-1}	2.22×10^5
$6f_{\frac{7}{2}} \leftarrow 8g_{\frac{7}{2}}$	58040.839	59390.301	1349.462	7410.36	1.33×10^1	6.83×10^{-3}	8.29×10^3
$6f_{\frac{7}{2}} \leftarrow 8g_{\frac{9}{2}}$	58040.839	59390.301	1349.462	7410.36	4.66×10^2	2.39×10^{-1}	2.32×10^5

TABLE IX. FMP-calculated transition dipole moments (line strengths $S_{i\to k}$, oscillator strengths $f_{i\to k}$, and transition probabilities $A_{k\to i}$) between $(4d^{10})n_i g$ and $(4d^{10})n_k f$ states of the Ag atom in the 1300–4000-cm^{-1} range. The Ritz wave-numbers ν and vacuum wavelengths λ are calculated using the energy-level values from the cited references.

Transition $i \leftarrow k$	Lower level (cm^{-1})	Upper level (cm^{-1})	ν (cm^{-1})	λ (nm)	S_{ik} (a.u.)	f_{ik}	A_{ki} (s^{-1})
$5g_{\frac{7}{2}} \leftarrow 6f_{\frac{5}{2}}$	56711.1	58045.481	1334.381	7494.11	1.56×10^{1}	7.90×10^{-3}	1.25×10^{4}
$5g_{\frac{7}{2}} \leftarrow 6f_{\frac{7}{2}}$	56711.1	58040.839	1329.739	7520.27	6.10×10^{-1}	3.08×10^{-4}	3.62×10^{2}
$5g_{\frac{9}{2}} \leftarrow 6f_{\frac{7}{2}}$	56711.1	58040.839	1329.739	7520.27	2.13×10^{1}	8.62×10^{-3}	1.27×10^{4}
$5g_{\frac{7}{2}} \leftarrow 7f_{\frac{5}{2}}$	56711.1	58854.51	2143.410	4665.46	1.63	1.33×10^{-3}	5.43×10^{3}
$5g_{\frac{7}{2}} \leftarrow 7f_{\frac{7}{2}}$	56711.1	58854.765	2143.665	4664.91	6.03×10^{-2}	4.91×10^{-5}	1.50×10^{2}
$5g_{\frac{9}{2}} \leftarrow 7f_{\frac{7}{2}}$	56711.1	58854.765	2143.665	4664.91	2.11	1.37×10^{-3}	5.26×10^{3}
$5g_{\frac{7}{2}} \leftarrow 8f_{\frac{5}{2}}$	56711.1	59384.182	2673.082	3741.00	4.27×10^{-1}	4.33×10^{-4}	2.75×10^{3}
$5g_{\frac{7}{2}} \leftarrow 8f_{\frac{7}{2}}$	56711.1	59383.409	2672.309	3742.08	1.61×10^{-2}	1.63×10^{-5}	7.77×10^{1}
$5g_{\frac{9}{2}} \leftarrow 8f_{\frac{7}{2}}$	56711.1	59383.409	2672.309	3742.08	5.63×10^{-1}	4.57×10^{-4}	2.72×10^{3}
$6g_{\frac{7}{2}} \leftarrow 8f_{\frac{5}{2}}$	58054.723	59384.182	1329.459	7521.85	7.52	3.80×10^{-3}	5.96×10^{3}
$6g_{\frac{7}{2}} \leftarrow 8f_{\frac{7}{2}}$	58054.723	59383.409	1328.686	7526.23	2.83×10^{-1}	1.43×10^{-4}	1.68×10^{2}
$6g_{\frac{9}{2}} \leftarrow 8f_{\frac{7}{2}}$	58054.723	59383.409	1328.686	7526.23	9.91	4.00×10^{-3}	5.89×10^{3}

TABLE X. FMP-calculated transition dipole moments (line strengths $S_{i\to k}$, oscillator strengths $f_{i\to k}$, and transition probabilities $A_{k\to i}$) between $(4d^{10})n_i d$ and $(4d^{10})n_k f$ states of the Ag atom in the 1300–4000-cm^{-1} range. The Ritz wave-numbers ν and vacuum wavelengths λ are calculated using the energy-level values from the cited references.

Transition $i \leftarrow k$	Lower level (cm^{-1})	Upper level (cm^{-1})	ν (cm^{-1})	λ (nm)	S_{ik} (a.u.)	f_{ik}	A_{ki} (s^{-1})
$6d_{\frac{3}{2}} \leftarrow 5f_{\frac{5}{2}}$	54203.119	56691.275	2488.156	4019.04	4.70×10^{2}	8.88×10^{-1}	2.44×10^{6}
$6d_{\frac{5}{2}} \leftarrow 5f_{\frac{5}{2}}$	54213.564	56691.275	2477.711	4035.98	3.39×10^{1}	4.25×10^{-2}	1.74×10^{5}
$6d_{\frac{5}{2}} \leftarrow 5f_{\frac{7}{2}}$	54213.564	56691.397	2477.833	4035.78	6.78×10^{2}	8.50×10^{-1}	2.61×10^{6}
$6d_{\frac{3}{2}} \leftarrow 6f_{\frac{5}{2}}$	54203.119	58045.481	3842.362	2602.57	6.36×10^{1}	1.85×10^{-1}	1.22×10^{6}
$6d_{\frac{5}{2}} \leftarrow 6f_{\frac{5}{2}}$	54213.564	58045.481	3831.917	2609.66	4.55	8.82×10^{-3}	8.64×10^{4}
$6d_{\frac{5}{2}} \leftarrow 6f_{\frac{7}{2}}$	54213.564	58040.839	3827.275	2612.83	9.07×10^{1}	1.76×10^{-1}	1.29×10^{6}
$7d_{\frac{3}{2}} \leftarrow 6f_{\frac{5}{2}}$	56699.911	58045.481	1345.570	7431.79	8.29×10^{2}	8.47×10^{-1}	6.82×10^{5}
$7d_{\frac{5}{2}} \leftarrow 6f_{\frac{5}{2}}$	56705.435	58045.481	1340.046	7462.43	6.00×10^{1}	4.07×10^{-2}	4.88×10^{4}
$7d_{\frac{5}{2}} \leftarrow 6f_{\frac{7}{2}}$	56705.435	58040.839	1335.404	7488.37	1.22×10^{3}	8.24×10^{-1}	7.35×10^{5}
$7d_{\frac{3}{2}} \leftarrow 7f_{\frac{5}{2}}$	56699.911	58854.51	2154.599	4641.23	1.20×10^{2}	1.96×10^{-1}	4.05×10^{5}
$7d_{\frac{5}{2}} \leftarrow 7f_{\frac{5}{2}}$	56705.435	58854.51	2149.075	4653.16	8.61	9.36×10^{-3}	2.88×10^{4}
$7d_{\frac{5}{2}} \leftarrow 7f_{\frac{7}{2}}$	56705.435	58854.765	2149.330	4652.61	1.72×10^{2}	1.87×10^{-1}	4.33×10^{5}
$7d_{\frac{3}{2}} \leftarrow 8f_{\frac{5}{2}}$	56699.911	59384.182	2684.271	3725.41	3.93×10^{1}	8.01×10^{-2}	2.57×10^{5}
$7d_{\frac{5}{2}} \leftarrow 8f_{\frac{5}{2}}$	56705.435	59384.182	2678.747	3733.09	2.81	3.81×10^{-3}	1.82×10^{4}
$7d_{\frac{5}{2}} \leftarrow 8f_{\frac{7}{2}}$	56705.435	59383.409	2677.974	3734.17	5.61×10^{1}	7.60×10^{-2}	2.73×10^{5}
$8d_{\frac{3}{2}} \leftarrow 8f_{\frac{5}{2}}$	58049.973	59384.182	1334.209	7495.08	2.02×10^{2}	2.05×10^{-1}	1.62×10^{5}
$8d_{\frac{5}{2}} \leftarrow 8f_{\frac{5}{2}}$	58053.404	59384.182	1330.778	7514.40	1.45×10^{1}	9.80×10^{-3}	1.16×10^{4}
$8d_{\frac{5}{2}} \leftarrow 8f_{\frac{7}{2}}$	58053.404	59383.409	1330.005	7518.77	2.91×10^{2}	1.96×10^{-1}	1.74×10^{5}

TABLE XI. FMP-calculated transition dipole moments (line strengths $S_{i\to k}$, oscillator strengths $f_{i\to k}$, and transition probabilities $A_{k\to i}$) between $(4d^{10})n_i f$ and $(4d^{10})n_k d$ states of the Ag atom in the 1300–4000-cm^{-1} range. The Ritz wave-numbers ν and vacuum wavelengths λ are calculated using the energy-level values from the cited references.

Transition $i \leftarrow k$	Lower level (cm^{-1})	Upper level (cm^{-1})	ν (cm^{-1})	λ (nm)	S_{ik} (a.u.)	f_{ik}	A_{ki} (s^{-1})
$4f_{\frac{5}{2}} \leftarrow 7d_{\frac{3}{2}}$	54204.73	56699.911	2495.181	4007.73	6.36	8.04×10^{-3}	5.01×10^{4}
$4f_{\frac{5}{2}} \leftarrow 7d_{\frac{5}{2}}$	54204.73	56705.435	2500.705	3998.87	4.37×10^{-1}	5.53×10^{-4}	2.31×10^{3}
$4f_{\frac{7}{2}} \leftarrow 7d_{\frac{5}{2}}$	54204.73	56705.435	2500.705	3998.87	8.74	8.30×10^{-3}	4.62×10^{4}
$4f_{\frac{5}{2}} \leftarrow 8d_{\frac{3}{2}}$	54204.73	58049.973	3845.243	2600.62	7.28×10^{-1}	1.42×10^{-3}	2.10×10^{4}
$4f_{\frac{5}{2}} \leftarrow 8d_{\frac{5}{2}}$	54204.73	58053.404	3848.674	2598.30	5.01×10^{-2}	9.77×10^{-5}	9.67×10^{2}
$4f_{\frac{7}{2}} \leftarrow 8d_{\frac{5}{2}}$	54204.73	58053.404	3848.674	2598.30	1.00	1.47×10^{-3}	1.93×10^{4}
$5f_{\frac{5}{2}} \leftarrow 8d_{\frac{3}{2}}$	56691.275	58049.973	1358.698	7359.99	2.95×10^{1}	2.03×10^{-2}	3.75×10^{4}
$5f_{\frac{5}{2}} \leftarrow 8d_{\frac{5}{2}}$	56691.275	58053.404	1362.129	7341.45	2.02	1.40×10^{-3}	1.73×10^{3}
$5f_{\frac{7}{2}} \leftarrow 8d_{\frac{5}{2}}$	56691.397	58053.404	1362.007	7342.11	4.05×10^{1}	2.09×10^{-2}	3.46×10^{4}
$5f_{\frac{5}{2}} \leftarrow 9d_{\frac{3}{2}}$	56691.275	58862.463	2171.188	4605.77	3.51	3.86×10^{-3}	1.82×10^{4}
$5f_{\frac{5}{2}} \leftarrow 9d_{\frac{5}{2}}$	56691.275	58864.614	2173.339	4601.21	2.42×10^{-1}	2.67×10^{-4}	8.42×10^{2}
$5f_{\frac{7}{2}} \leftarrow 9d_{\frac{5}{2}}$	56691.397	58864.614	2173.217	4601.47	4.85	4.00×10^{-3}	1.68×10^{4}
$5f_{\frac{5}{2}} \leftarrow 10d_{\frac{3}{2}}$	56691.275	59388.97	2697.695	3706.87	1.04	1.42×10^{-3}	1.04×10^{4}
$5f_{\frac{5}{2}} \leftarrow 10d_{\frac{5}{2}}$	56691.275	59390.587	2699.312	3704.65	7.16×10^{-2}	9.78×10^{-5}	4.76×10^{2}
$5f_{\frac{7}{2}} \leftarrow 10d_{\frac{5}{2}}$	56691.397	59390.587	2699.190	3704.82	1.43	1.47×10^{-3}	9.53×10^{3}
$6f_{\frac{5}{2}} \leftarrow 10d_{\frac{3}{2}}$	58045.481	59388.97	1343.489	7443.31	1.07×10^{1}	7.29×10^{-3}	1.32×10^{4}
$6f_{\frac{5}{2}} \leftarrow 10d_{\frac{5}{2}}$	58045.481	59390.587	1345.106	7434.36	7.38×10^{-1}	5.03×10^{-4}	6.07×10^{2}
$6f_{\frac{7}{2}} \leftarrow 10d_{\frac{5}{2}}$	58040.839	59390.587	1349.748	7408.79	1.41×10^{1}	7.23×10^{-3}	1.17×10^{4}

TABLE XII. FMP-calculated transition dipole moments (line strengths $S_{i\to k}$, oscillator strengths $f_{i\to k}$, and transition probabilities $A_{k\to i}$) between $(4d^{10})n_i p$ and $(4d^{10})n_k d$ states of the Ag atom in the 1300–4000-cm^{-1} range. The Ritz wave-numbers ν and vacuum wavelengths λ are calculated using the energy-level values from the cited references.

Transition $i \leftarrow k$	Lower level (cm^{-1})	Upper level (cm^{-1})	ν (cm^{-1})	λ (nm)	S_{ik} (a.u.)	f_{ik}	A_{ki} (s^{-1})
$7p_{\frac{1}{2}} \leftarrow 7d_{\frac{3}{2}}$	54041.087	56699.911	2658.824	3761.06	1.22×10^{2}	4.92×10^{-1}	1.16×10^{6}
$7p_{\frac{3}{2}} \leftarrow 7d_{\frac{3}{2}}$	54121.059	56699.911	2578.852	3877.69	2.78×10^{1}	5.43×10^{-2}	2.41×10^{5}
$7p_{\frac{3}{2}} \leftarrow 7d_{\frac{5}{2}}$	54121.059	56705.435	2584.376	3869.41	2.46×10^{2}	4.83×10^{-1}	1.44×10^{6}
$7p_{\frac{3}{2}} \leftarrow 8d_{\frac{3}{2}}$	54121.059	58049.973	3928.914	2545.23	4.71	1.40×10^{-2}	1.45×10^{5}
$7p_{\frac{3}{2}} \leftarrow 8d_{\frac{5}{2}}$	54121.059	58053.404	3932.345	2543.01	4.21×10^{1}	1.26×10^{-1}	8.65×10^{5}
$8p_{\frac{1}{2}} \leftarrow 8d_{\frac{3}{2}}$	56620.876	58049.973	1429.097	6997.43	2.29×10^{2}	4.96×10^{-1}	3.38×10^{5}
$8p_{\frac{3}{2}} \leftarrow 8d_{\frac{3}{2}}$	56660.556	58049.973	1389.417	7197.26	5.27×10^{1}	5.56×10^{-2}	7.16×10^{4}
$8p_{\frac{3}{2}} \leftarrow 8d_{\frac{5}{2}}$	56660.556	58053.404	1392.848	7179.53	4.66×10^{2}	4.93×10^{-1}	4.25×10^{5}
$8p_{\frac{1}{2}} \leftarrow 9d_{\frac{3}{2}}$	56620.876	58862.463	2241.587	4461.13	4.05×10^{1}	1.38×10^{-1}	2.31×10^{5}
$8p_{\frac{3}{2}} \leftarrow 9d_{\frac{3}{2}}$	56660.556	58862.463	2201.907	4541.52	8.80	1.47×10^{-2}	4.76×10^{4}
$8p_{\frac{3}{2}} \leftarrow 9d_{\frac{5}{2}}$	56660.556	58864.614	2204.058	4537.09	7.85×10^{1}	1.31×10^{-1}	2.84×10^{5}
$8p_{\frac{1}{2}} \leftarrow 10d_{\frac{3}{2}}$	56620.876	59388.97	2768.094	3612.59	1.47×10^{1}	6.18×10^{-2}	1.58×10^{5}
$8p_{\frac{3}{2}} \leftarrow 10d_{\frac{3}{2}}$	56660.556	59388.97	2728.414	3665.13	3.12	6.46×10^{-3}	3.21×10^{4}
$8p_{\frac{3}{2}} \leftarrow 10d_{\frac{5}{2}}$	56660.556	59390.587	2730.031	3662.96	2.79×10^{1}	5.79×10^{-2}	1.92×10^{5}
$9p_{\frac{1}{2}} \leftarrow 10d_{\frac{3}{2}}$	58005.05	59388.97	1383.920	7225.85	6.81×10^{1}	1.43×10^{-1}	9.15×10^{4}
$9p_{\frac{3}{2}} \leftarrow 10d_{\frac{3}{2}}$	58027.	59388.97	1361.970	7342.31	1.49×10^{1}	1.54×10^{-2}	1.90×10^{4}
$9p_{\frac{3}{2}} \leftarrow 10d_{\frac{5}{2}}$	58027.	59390.587	1363.587	7333.60	1.32×10^{2}	1.37×10^{-1}	1.13×10^{5}

TABLE XIII. FMP-calculated transition dipole moments (line strengths $S_{i\to k}$, oscillator strengths $f_{i\to k}$, and transition probabilities $A_{k\to i}$) between $(4d^{10})n_id$ and $(4d^{10})n_kp$ states of the Ag atom in the 1300–4000-cm^{-1} range. The Ritz wave-numbers ν and vacuum wavelengths λ are calculated using the energy-level values from the cited references.

Transition $i \leftarrow k$	Lower level (cm^{-1})	Upper level (cm^{-1})	ν (cm^{-1})	λ (nm)	S_{ik} (a.u.)	f_{ik}	A_{ki} (s^{-1})
$6d_{\frac{3}{2}} \leftarrow 8p_{\frac{1}{2}}$	54203.119	56620.876	2417.757	4136.06	1.86×10^{1}	3.42×10^{-2}	2.67×10^{5}
$6d_{\frac{3}{2}} \leftarrow 8p_{\frac{3}{2}}$	54203.119	56660.556	2457.437	4069.28	3.01	5.61×10^{-3}	2.26×10^{4}
$6d_{\frac{5}{2}} \leftarrow 8p_{\frac{3}{2}}$	54213.564	56660.556	2446.992	4086.65	2.79×10^{1}	3.46×10^{-2}	2.07×10^{5}
$6d_{\frac{3}{2}} \leftarrow 9p_{\frac{1}{2}}$	54203.119	58005.05	3801.931	2630.24	2.31	6.67×10^{-3}	1.29×10^{5}
$6d_{\frac{3}{2}} \leftarrow 9p_{\frac{3}{2}}$	54203.119	58027.	3823.881	2615.14	3.91×10^{-1}	1.13×10^{-3}	1.11×10^{4}
$6d_{\frac{5}{2}} \leftarrow 9p_{\frac{3}{2}}$	54213.564	58027.	3813.436	2622.31	3.61	6.96×10^{-3}	1.01×10^{5}
$7d_{\frac{3}{2}} \leftarrow 9p_{\frac{1}{2}}$	56699.911	58005.05	1305.139	7662.02	5.91×10^{1}	5.85×10^{-2}	1.33×10^{5}
$7d_{\frac{3}{2}} \leftarrow 9p_{\frac{3}{2}}$	56699.911	58027.	1327.089	7535.29	9.68	9.76×10^{-3}	1.15×10^{4}
$7d_{\frac{5}{2}} \leftarrow 9p_{\frac{3}{2}}$	56705.435	58027.	1321.565	7566.79	8.99×10^{1}	6.02×10^{-2}	1.05×10^{5}
$7d_{\frac{3}{2}} \leftarrow 10p_{\frac{1}{2}}$	56699.911	58834.25	2134.339	4685.29	7.25	1.18×10^{-2}	7.14×10^{4}
$7d_{\frac{3}{2}} \leftarrow 10p_{\frac{3}{2}}$	56699.911	58849.83	2149.919	4651.34	1.21	1.98×10^{-3}	6.10×10^{3}
$7d_{\frac{5}{2}} \leftarrow 10p_{\frac{3}{2}}$	56705.435	58849.83	2144.395	4663.32	1.12×10^{1}	1.21×10^{-2}	5.58×10^{4}

TABLE XIV. FMP-calculated transition dipole moments (line strengths $S_{i\to k}$, oscillator strengths $f_{i\to k}$, and transition probabilities $A_{k\to i}$) between $(4d^{10})n_is$ and $(4d^{10})n_kp$ states of the Ag atom in the 1300–4000-cm^{-1} range. The Ritz wave-numbers ν and vacuum wavelengths λ are calculated using the energy-level values from the cited references.

Transition $i \leftarrow k$	Lower level (cm^{-1})	Upper level (cm^{-1})	ν (cm^{-1})	λ (nm)	S_{ik} (a.u.)	f_{ik}	A_{ki} (s^{-1})
$7s_{\frac{1}{2}} \leftarrow 7p_{\frac{1}{2}}$	51886.954	54041.087	2154.133	4642.24	1.66×10^{2}	5.43×10^{-1}	1.68×10^{6}
$7s_{\frac{1}{2}} \leftarrow 7p_{\frac{3}{2}}$	51886.954	54121.059	2234.105	4476.07	3.21×10^{2}	1.09	1.81×10^{6}
$8s_{\frac{1}{2}} \leftarrow 9p_{\frac{1}{2}}$	55581.246	58005.05	2423.804	4125.75	7.78	2.87×10^{-2}	1.12×10^{5}
$8s_{\frac{1}{2}} \leftarrow 9p_{\frac{3}{2}}$	55581.246	58027.	2445.754	4088.72	1.80×10^{1}	6.69×10^{-2}	1.33×10^{5}
$8s_{\frac{1}{2}} \leftarrow 10p_{\frac{1}{2}}$	55581.246	58834.25	3253.004	3074.08	1.47	7.27×10^{-3}	5.14×10^{4}
$8s_{\frac{1}{2}} \leftarrow 10p_{\frac{3}{2}}$	55581.246	58849.83	3268.584	3059.43	3.66	1.82×10^{-2}	6.47×10^{4}
$9s_{\frac{1}{2}} \leftarrow 10p_{\frac{1}{2}}$	57425.078	58834.25	1409.172	7096.37	1.65×10^{1}	3.54×10^{-2}	4.68×10^{4}
$9s_{\frac{1}{2}} \leftarrow 10p_{\frac{3}{2}}$	57425.078	58849.83	1424.752	7018.77	3.87×10^{1}	8.37×10^{-2}	5.67×10^{4}

TABLE XV. FMP-calculated transition dipole moments (line strengths $S_{i\to k}$, oscillator strengths $f_{i\to k}$, and transition probabilities $A_{k\to i}$) between $(4d^{10})n_ip$ and $(4d^{10})n_ks$ states of the Ag atom in the 1300–4000-cm^{-1} range. The Ritz wave-numbers ν and vacuum wavelengths λ are calculated using the energy-level values from the cited references.

Transition $i \leftarrow k$	Lower level (cm^{-1})	Upper level (cm^{-1})	ν (cm^{-1})	λ (nm)	S_{ik} (a.u.)	f_{ik}	A_{ki} (s^{-1})
$6p_{\frac{1}{2}} \leftarrow 7s_{\frac{1}{2}}$	48297.402	51886.954	3589.552	2785.86	5.90×10^{1}	3.22×10^{-1}	2.77×10^{6}
$6p_{\frac{3}{2}} \leftarrow 7s_{\frac{1}{2}}$	48500.804	51886.954	3386.150	2953.21	1.27×10^{2}	3.27×10^{-1}	5.01×10^{6}
$7p_{\frac{1}{2}} \leftarrow 8s_{\frac{1}{2}}$	54041.087	55581.246	1540.159	6492.84	1.99×10^{2}	4.67×10^{-1}	7.38×10^{5}
$7p_{\frac{3}{2}} \leftarrow 8s_{\frac{1}{2}}$	54121.059	55581.246	1460.187	6848.44	4.27×10^{2}	4.74×10^{-1}	1.35×10^{6}
$7p_{\frac{1}{2}} \leftarrow 9s_{\frac{1}{2}}$	54041.087	57425.078	3383.991	2955.09	6.13	3.15×10^{-2}	2.41×10^{5}
$7p_{\frac{3}{2}} \leftarrow 9s_{\frac{1}{2}}$	54121.059	57425.078	3304.019	3026.62	1.14×10^{1}	2.85×10^{-2}	4.15×10^{5}
$8p_{\frac{1}{2}} \leftarrow 10s_{\frac{1}{2}}$	56620.876	58478.047	1857.171	5384.53	1.40×10^{1}	3.96×10^{-2}	9.10×10^{4}
$8p_{\frac{3}{2}} \leftarrow 10s_{\frac{1}{2}}$	56660.556	58478.047	1817.491	5502.09	2.59×10^{1}	3.57×10^{-2}	1.57×10^{5}