

Electronic Supplementary Information for:

***Gauging Aromatic Conjugation and Charge
Delocalization in the Aryl Silanes Ph_nSiH_{4-n} ($n = 0-4$), with
Silicon K-edge XAS and TDDFT†***

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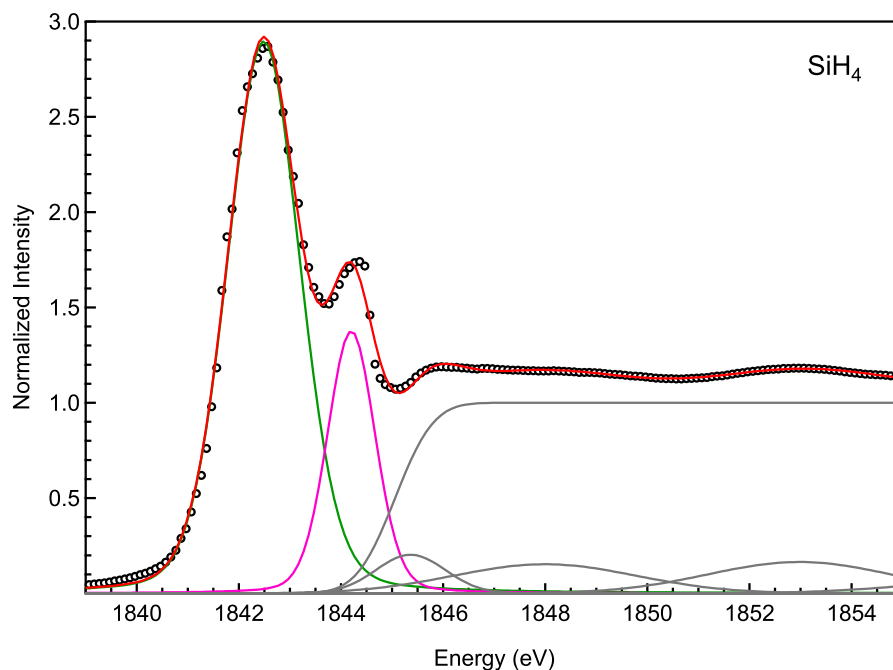


Figure S1. Experimental Si K-edge XAS of SiH_4 , adapted from Bodeur, P. Millie, and I. Nenner, "Single- and multiple-electron effects in the Si 1s photoabsorption spectra of SiX_4 ($X = \text{H}, \text{D}, \text{F}, \text{Cl}, \text{Br}, \text{CH}_3, \text{C}_2\text{H}_5, \text{OCH}_3, \text{OC}_2\text{H}_5$) molecules: experiment and theory," *Phys. Rev. A* **1990**, *41*, 252-263. The experimental data (black circles) is shown with the total curve fit (red) and the component pseudo-Voigt and step functions which sum to generate the curve fit (green, pink, and gray).

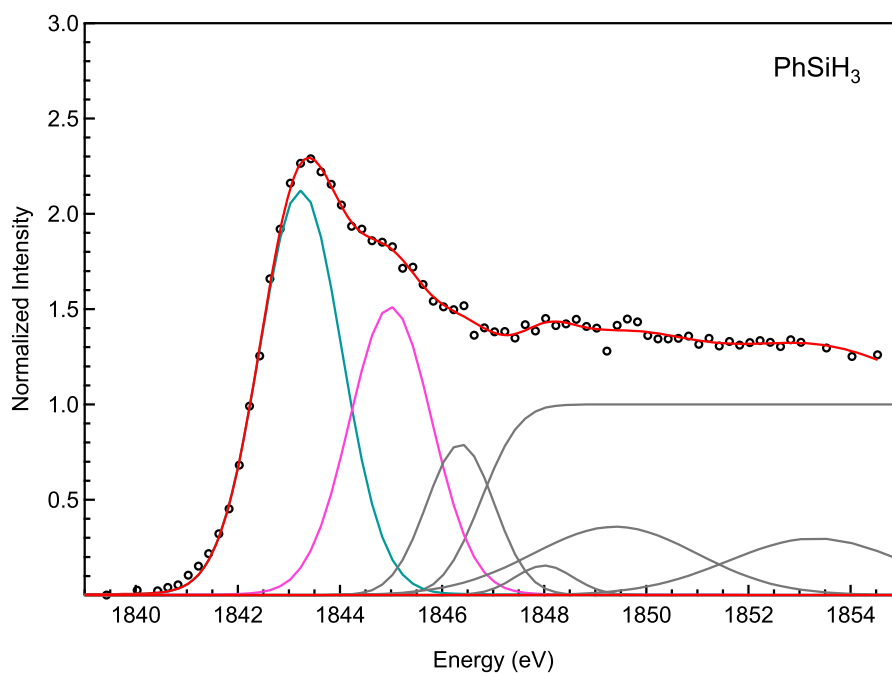


Figure S2. Experimental Si K-edge XAS of PhSiH_3 collected using STXM. The experimental data (black circles) is shown with the total curve fit (red) and the component Gaussian and step functions which sum to generate the curve fit (teal, pink, and gray).

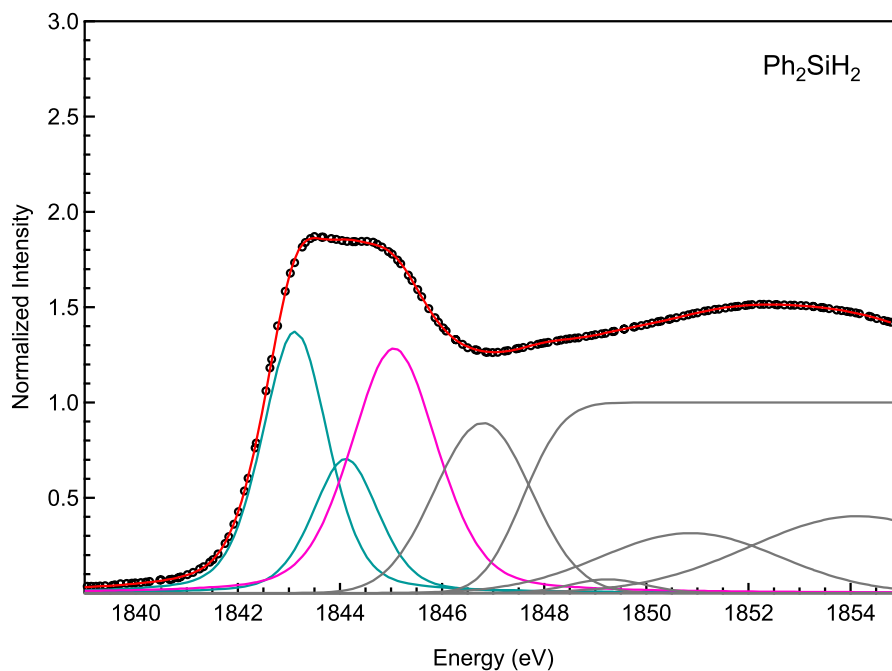


Figure S3. Experimental Si K-edge XAS of Ph_2SiH_2 collected using STXM. The experimental data (black circles) is shown with the total curve fit (red) and the component Gaussian and step functions which sum to generate the curve fit (teal, pink, and gray).

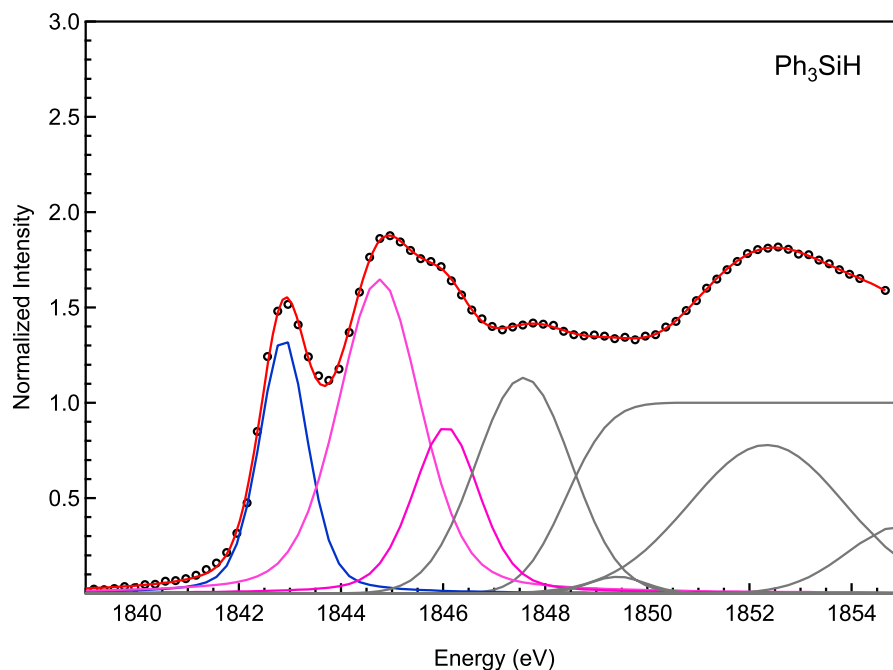


Figure S4. Experimental Si K-edge XAS of Ph_3SiH collected using STXM. The experimental data (black circles) is shown with the total curve fit (red) and the component Gaussian and step functions which sum to generate the curve fit (blue, pink, and gray).

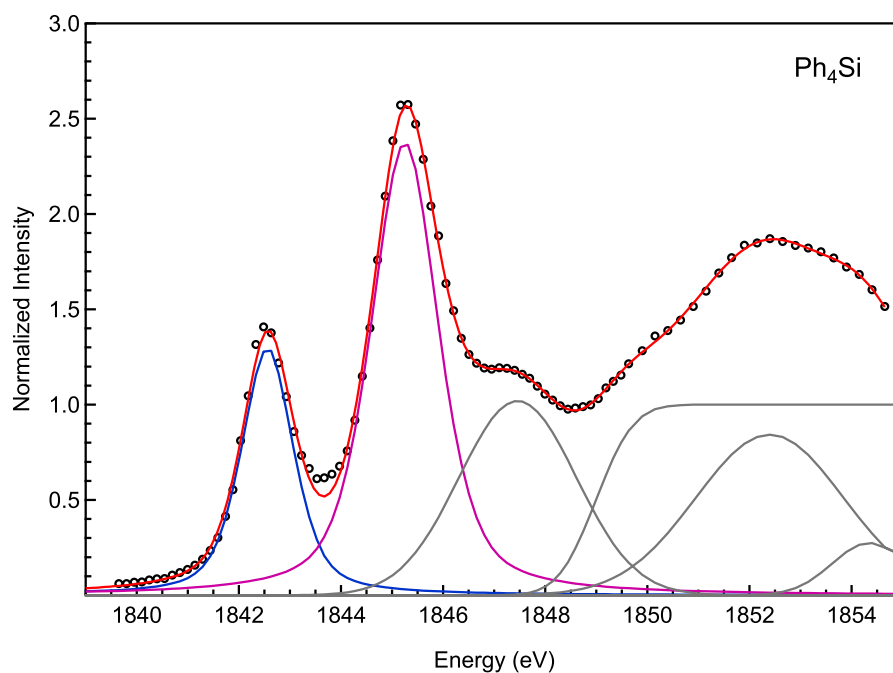


Figure S5. Experimental Si K-edge XAS of Ph_4Si collected using STXM. The experimental data (black circles) is shown with the total curve fit (red) and the component Gaussian and step functions which sum to generate the curve fit (blue, pink, and gray).

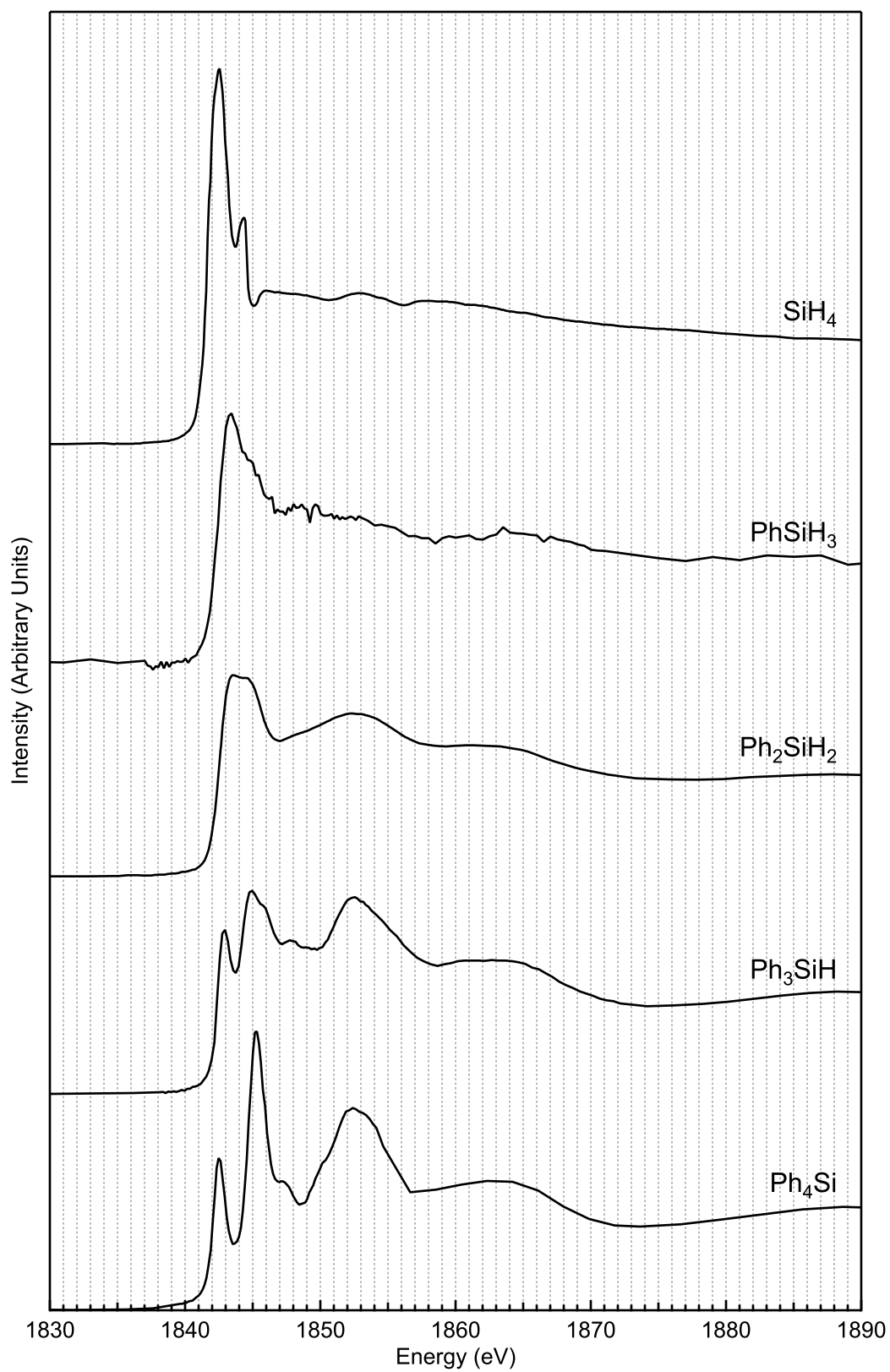


Figure S6. Experimental Si K-edge XAS of aryl silanes

Table S1. Normalized Si K-edge XAS of aryl silanes

SiH4_eV	SiH4_Int
1805.004969	-0.000722512
1805.807912	-0.002065446
1806.530561	-0.002973133
1807.233137	-0.001765647
1807.89155	0.003158918
1808.698508	0.005338794
1809.421157	0.005434288
1810.143806	0.005529781
1810.866455	0.005625275
1811.589104	0.005720769
1812.311752	0.005816262
1813.034401	0.001899033
1814.002952	0.001692627
1814.841024	0.002137767
1815.623893	0.002241219
1816.532223	0.002026855
1817.659354	-0.000699986
1818.454268	-0.001397488
1819.176917	-0.001301994
1819.899566	-0.0012065
1820.911274	-0.001072809
1821.706188	-0.000967767
1822.428837	-0.000872273
1823.151486	-0.000776779
1824.161187	0.006178276
1824.958108	0.007487401
1825.680757	0.007582895
1826.403406	0.007678388
1827.126055	0.007773882
1827.848704	0.007869376
1828.571353	0.007964869
1829.357986	0.006605847
1830.173224	0.004163824
1831.100624	0.004286374
1831.974685	0.007248999
1832.979511	0.009349925
1833.991219	0.012693794
1834.764835	0.004743918
1834.864835	0.007589158
1834.964835	0.009116756
1835.064835	0.008886919
1835.164835	0.008245056

1835.264835	0.008116439
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1835.464835	0.008138073
1835.564835	0.00814889
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1837.164835	0.017062989
1837.264835	0.01833575
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1837.564835	0.019978798
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1837.764835	0.023817122
1837.864835	0.02411746
1837.964835	0.026081268
1838.064835	0.026475611
1838.164835	0.027080219
1838.264835	0.028787198
1838.364835	0.030250177
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1838.564835	0.030756865
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1839.064835	0.044057968
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1840.264835	0.127485255
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1868.264835	1.148671123
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1868.564835	1.144186219
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1868.764835	1.140266291
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1868.964835	1.139105376
1869.064835	1.138174412
1869.164835	1.137237913
1869.264835	1.136507879
1869.364835	1.135578323
1869.464835	1.133996491
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1880.702441	1.021183046
1881.464736	1.013258334
1882.289007	1.004940537
1883.659782	0.998851798
1884.407272	0.989570833
1885.167558	0.981645854
1886.298956	0.981260332
1887.467238	0.977937021
1888.466902	0.974390791
1889.189551	0.970362097
1889.996509	0.966233079
1890.996173	0.965830149
1892.128323	0.959291885
1892.802796	0.954788674
1893.886769	0.951030656
1895.055051	0.94683792
1895.7777	0.946933414
1896.500349	0.947028907
1897.222998	0.947124401
1897.945647	0.943207172
1898.668296	0.943302666
1899.491313	0.943411422
1900.474918	0.935515954
1901.197567	0.935611447
1902.020584	0.935720204
1903.004189	0.927824737
1903.726838	0.935945676
1904.630149	0.928039596
1905.453166	0.928148353
1906.256109	0.928254457
1906.978758	0.928349951
1907.701407	0.928445445

1908.701072	0.928042515
1909.508029	0.922798852
1910.507694	0.920255803
1911.230343	0.917096532
1912.314316	0.912469091
1913.036965	0.90930982
1913.843923	0.909193527
1914.566572	0.90928902
1915.289221	0.908381333
1916.01187	0.905467283
1916.834886	0.90557604
1917.818492	0.897680573
1918.576269	0.89610874
1919.625114	0.897919306
1920.347763	0.8980148
1921.351442	0.890121985
1922.154385	0.890228088
1922.877034	0.890323582
1923.599683	0.890419075
1924.653546	0.887214402
1925.406305	0.882632363
1926.40597	0.882229433
1927.212927	0.876985771
1927.935576	0.874941146
1928.935241	0.874538216
1929.780224	0.871286831
1931.548821	0.863380445
1932.548485	0.859834215
1933.716768	0.855641481
1934.439416	0.855736974
1935.162065	0.855832468
1935.884714	0.855927962
1936.607363	0.856023455
1937.330012	0.852106226
1938.333691	0.84421341
1939.052325	0.843773343
1940.220608	0.839446851
1940.943257	0.836532802
1941.665905	0.836628296
1942.488922	0.836737053
1943.472528	0.828841584
1944.526391	0.82563691
1945.27915	0.821054872
1946.001799	0.821150365
1946.724448	0.821245859
1947.778311	0.818041185

1948.808085	0.812960725
1949.940235	0.806422459
1950.614708	0.801919248
1951.421666	0.801802953
1952.144315	0.801898447
1952.866963	0.801993941
1953.589612	0.802089435
1954.643475	0.794872038
1955.569369	0.790312879
1956.841532	0.782455542
1957.564181	0.782551035
1958.28683	0.782646529
1959.286494	0.782243599
1960.454777	0.778920287
1961.454441	0.774504634
1962.622724	0.771181321
1963.345372	0.771276815
1964.068021	0.770369129
1964.79067	0.76745508
1965.790335	0.767052149
1966.958617	0.763728838
1967.930178	0.767602432
1968.68093	0.767434124
1969.849213	0.764110813
1970.711875	0.764224809
1972.067056	0.756645956
1972.802782	0.755604329
1974.54643	0.74868063
1975.269079	0.748776123
1975.991728	0.748871617
1976.714377	0.748967111
1977.437026	0.749062604
1978.123542	0.745943145
1979.327957	0.741064104
1980.126635	0.738090437
1981.05027	0.737501903
1981.772919	0.736594217
1982.495568	0.733680168
1983.218217	0.732772481
1983.940866	0.732867975
1984.663515	0.733966649
1985.386164	0.73004942
1986.108813	0.730144913
1986.831462	0.730240407
1987.831126	0.729837477
1988.545172	0.726798089

1989.521071	0.723280963
1990.444706	0.721689248
1991.167355	0.718775199
1991.890004	0.717867513
1992.612653	0.714953464
1993.335302	0.715048958
1994.057951	0.715144451
1994.951225	0.714593705
1996.037708	0.715406065
1997.201473	0.706999374
1998.583539	0.702901767
1999.56032	0.696918128
2000.477482	0.707432277
2001.248307	0.700846267
2002.368413	0.696179014
2003.091062	0.696274508
2003.813711	0.696370001
2004.53636	0.696465495
2005.259009	0.696560989
2005.945525	0.69344153
2007.065631	0.688774277
2007.78828	0.688869771
2008.474796	0.685750311
2009.149269	0.681247101
2009.956226	0.680127625
2010.678875	0.677213577
2011.401524	0.677309071
2012.124173	0.677404564
2013.017448	0.676853818
2014.26201	0.67434313
2015.014769	0.669761092
2015.988337	0.668552169
2016.821391	0.669999827
2017.54404	0.670095321
2018.989338	0.662260861
2019.711987	0.662356355
2020.434636	0.662451848
2021.32791	0.661901102
2022.13286	0.661873714
2023.325231	0.65781792
2024.2988	0.653599455
2025.047544	0.654500941
2025.770193	0.65134167
2026.747777	0.646566413
2027.552727	0.646539025
2028.745098	0.643486411

2029.467747	0.643581905
2030.190396	0.643677399
2030.876912	0.640557939
2032.146365	0.640056902
2032.909362	0.643234149
2034.164965	0.636177168
2034.887614	0.636272661
2035.57413	0.633153202
2036.248602	0.628649991
2037.05556	0.628533697
2037.778209	0.62862919
2038.500858	0.624711961
2039.223507	0.624807455
2039.946156	0.624902949
2040.94582	0.624500018
2041.752778	0.619256355
2042.752442	0.616713306
2043.554239	0.615042196
2044.455184	0.617473344
2045.462376	0.609045962
2046.341599	0.60889463
2047.088336	0.606006059
2047.895294	0.605889764
2048.617943	0.605985258
2049.340591	0.606080751
2050.06324	0.606176245
2050.785889	0.605268557
2051.508538	0.60235451
2052.231187	0.602450003
2053.31516	0.602593243
2054.290736	0.594161685
2055.037474	0.591005597
2055.844432	0.586876579
2056.56708	0.586972073
2057.289729	0.587067567
2058.416287	0.585248289
2059.487786	0.586354845
2060.100031	0.579413485
2060.902974	0.579519589
2061.902638	0.579116659
2062.625287	0.575957388
2063.432245	0.571828371
2064.154894	0.571923865
2064.793234	0.579498634
2065.515883	0.576339363
2066.322841	0.572210346

2067.04549	0.572305839
2068.045154	0.571902909
2068.767803	0.568743639
2069.574761	0.568627344
2070.523237	0.564739956
2071.272986	0.564036487
2072.019723	0.561147914
2072.826681	0.561031619
2073.54933	0.55711439
2074.548994	0.55671146
2075.271643	0.553552189
2076.078601	0.553435895
2076.80125	0.553531388
2077.523899	0.552623702
2078.246547	0.549709653
2079.246212	0.549306723
2080.663407	0.549761512
2081.414158	0.549593204
2082.582441	0.546269892
2083.268957	0.543150433
2083.94343	0.538647221
2084.750388	0.538530928
2085.473036	0.53762324
2086.195685	0.534709191
2086.918334	0.534804685
2087.640983	0.534900178
2088.640647	0.534497248
2089.80893	0.531173936
2090.531579	0.53026625
2091.531243	0.526853777
2092.699525	0.523530466
2093.422174	0.522622778
2094.144823	0.51970873
2094.867472	0.519804224
2095.590121	0.519899718
2096.31277	0.519995211
2097.035419	0.520090705
2097.758068	0.520186199
2098.653851	0.520304571
2099.926014	0.514453594
2100.925679	0.512913726
2102.093961	0.508720991
2102.81661	0.507813305
2103.816274	0.504400832
2104.984557	0.50107752
2105.707206	0.501173014

2106.429855	0.501268508
2107.152503	0.50036082
2107.875152	0.497446772
2108.929015	0.494242097
2109.681775	0.48966006
2110.521101	0.488600594
2111.518507	0.488899593
2112.57237	0.482016589
2113.290503	0.489936295
2114.378992	0.482255323
2115.101641	0.482350817
2115.82429	0.48244631
2116.546939	0.482541804
2117.546603	0.482138874
2118.904581	0.478038084
2120.521508	0.47203203
2121.244157	0.471124344
2121.966806	0.470216656
2122.689455	0.467302608
2123.689119	0.466899678
2124.411768	0.463740407
2125.218726	0.45961139
2125.905242	0.460504653
2127.025348	0.455837401
2127.747997	0.455932894
2128.703786	0.454435
2129.554619	0.456171629
2130.277268	0.456267123
2130.963785	0.453147664
2131.638257	0.448644452
2132.445215	0.448528157
2133.167864	0.448623651
2133.890513	0.448719144
2134.613162	0.448814638
2135.335811	0.448910132
2136.335475	0.445363902
2137.503757	0.441171167
2138.503422	0.436755514
2139.671704	0.433432203
2140.394353	0.433527697
2141.117002	0.429610467
2141.839651	0.429705961
2142.5623	0.429801453
2143.535868	0.42859253
2144.284613	0.429494018
2145.392674	0.430175471

2146.091235	0.429732752
2146.813884	0.426573481
2147.620842	0.426457186
2148.533186	0.425775203
2149.379287	0.418664109
2150.150113	0.418765968
2150.872762	0.418861462
2151.872426	0.414445809
2152.595075	0.411286538
2153.562622	0.411191465

PhSiH3_eV	PhSiH3_Int
1801.03	-0.026101529
1803.03	-5.81E-05
1805.03	0.01521605
1807.03	0.00364436
1809.03	0.000721938
1811.03	-0.040077597
1813.03	0.014916486
1815.03	0.008958073
1817.03	-0.014023269
1819.03	-0.015637552
1821.03	0.012627231
1823.03	-0.006419545
1825.03	0.01453909
1827.03	0.024902486
1829.03	-0.009418492
1831.03	-0.012364726
1833.03	0.016498728
1835.03	-0.017602445
1837.03	0.00359888
1837.23	-0.041973965
1837.43	-0.05005617
1837.63	-0.080224998
1837.83	-0.047992941
1838.03	-0.056932232
1838.23	-0.006508464
1838.43	-0.067555059
1838.63	-0.008767835
1838.83	-0.053695557
1839.03	-0.011776736
1839.23	-0.01449593
1839.43	0.000690487
1839.63	-0.007424789
1839.83	-0.005246893
1840.03	0.024736395

1840.23	-0.014614097
1840.43	0.022517622
1840.63	0.039564208
1840.83	0.053823445
1841.03	0.103893686
1841.23	0.152213028
1841.43	0.216972735
1841.63	0.320867215
1841.83	0.452567127
1842.03	0.681656776
1842.23	0.990409443
1842.43	1.253916629
1842.63	1.659737732
1842.83	1.919814705
1843.03	2.161271902
1843.23	2.264490217
1843.43	2.28861805
1843.63	2.219717122
1843.83	2.154497729
1844.03	2.04628447
1844.23	1.934426202
1844.43	1.919457366
1844.63	1.858206694
1844.83	1.851101345
1845.03	1.827627866
1845.23	1.713591671
1845.43	1.720711885
1845.63	1.628942108
1845.83	1.540961182
1846.03	1.512415006
1846.23	1.496520996
1846.43	1.518153656
1846.63	1.363556744
1846.83	1.401880578
1847.03	1.380377462
1847.23	1.383177516
1847.43	1.347880097
1847.63	1.418728624
1847.83	1.385397902
1848.03	1.450493482
1848.23	1.414268922
1848.43	1.422433023
1848.63	1.446716029
1848.83	1.40967111
1849.03	1.400324644
1849.23	1.27986555

1849.43	1.415299779
1849.63	1.448234502
1849.83	1.433243538
1850.03	1.361392081
1850.23	1.343042792
1850.43	1.344064784
1850.63	1.34719598
1850.83	1.358905208
1851.03	1.315683913
1851.23	1.346657806
1851.43	1.30669002
1851.63	1.330910471
1851.83	1.311208113
1852.03	1.323707405
1852.23	1.334742048
1852.43	1.325763386
1852.63	1.30338322
1852.83	1.3396875
1853.03	1.325921792
1853.53	1.296371155
1854.03	1.251957365
1854.53	1.261156855
1855.03	1.244950365
1855.53	1.231035849
1856.03	1.191822734
1856.53	1.153507932
1857.03	1.157513346
1857.53	1.13593451
1858.03	1.135697117
1858.53	1.087074081
1859.03	1.134308955
1859.53	1.153136563
1860.03	1.139625711
1860.53	1.151316608
1861.03	1.161762351
1861.53	1.127003807
1862.03	1.12287968
1862.53	1.153535761
1863.03	1.170402638
1863.53	1.236560069
1864.03	1.186607061
1864.53	1.179047157
1865.03	1.176104061
1865.53	1.165555068
1866.03	1.161231376
1866.53	1.101411458

1867.03	1.151139072
1867.53	1.124034315
1868.03	1.111232276
1868.53	1.102726066
1869.03	1.077036568
1869.53	1.065006729
1870.03	1.029217761
1870.53	1.021598799
1871.03	1.018097466
1873.03	0.983977412
1875.03	0.949450661
1877.03	0.923636717
1879.03	0.960043279
1881.03	0.933017343
1883.03	0.97737331
1885.03	0.963026501
1887.03	0.977687023
1889.03	0.889519029
1891.03	0.914750773
1893.03	0.923047451
1895.03	0.935394069
1897.03	0.975527493
1899.03	0.958680446
1901.03	0.892650093
1906.03	0.925341258
1911.03	0.910611749
1916.03	0.914959904
1921.03	1.023825851
1926.03	0.968795846
1931.03	1.023191027
1936.03	1.065628756
1941.03	1.022581131
1946.03	1.058579163
1951.03	1.289834542

Ph2SiH2_eV	Ph2SiH2_Int
1798.83	-0.000881939
1800.84	0.001582446
1802.84	-0.000480253
1804.82	0.000840832
1806.78	-0.001797018
1808.82	-0.000113077
1810.8	0.000638541
1812.87	0.000607255
1814.79	0.002375262
1816.83	0.002777123

1818.81	0.002286129
1820.78	0.002301521
1822.79	0.002687267
1824.84	0.003042256
1826.86	0.006203968
1828.85	0.009278765
1830.82	0.010360309
1832.81	0.011237543
1834.8	0.012746337
1835.06	0.013273925
1835.32	0.015176344
1835.53	0.017161441
1835.77	0.01990833
1836.05	0.022033059
1836.36	0.020576012
1836.55	0.0195391
1836.83	0.019033257
1836.94	0.019114669
1837.06	0.019070367
1837.15	0.019112816
1837.24	0.019258016
1837.26	0.019315848
1837.45	0.019212567
1837.51	0.018931777
1837.63	0.020896911
1837.74	0.02274812
1837.83	0.023747686
1837.9	0.024571833
1838.01	0.025930756
1838.1	0.026164588
1838.2	0.026144644
1838.29	0.025747078
1838.4	0.025712009
1838.49	0.026363683
1838.66	0.032088174
1838.67	0.032499933
1838.86	0.034606204
1838.87	0.034684353
1839.05	0.035906792
1839.13	0.035903482
1839.22	0.03623987
1839.3	0.037229772
1839.4	0.03835545
1839.54	0.040439231
1839.59	0.043379672
1839.7	0.049445098

1839.82	0.050890207
1839.92	0.052167365
1839.99	0.05309216
1840.1	0.055479734
1840.2	0.058143169
1840.27	0.060742203
1840.47	0.068761492
1840.5	0.070032082
1840.66	0.072002131
1840.71	0.073534447
1840.83	0.081040423
1840.88	0.084761504
1841.01	0.095999353
1841.12	0.108869817
1841.25	0.126298727
1841.33	0.138198995
1841.45	0.162571593
1841.51	0.175569966
1841.61	0.205299704
1841.75	0.260970991
1841.82	0.296484377
1841.92	0.361904192
1842.01	0.427201603
1842.13	0.535037938
1842.2	0.60227552
1842.34	0.761794353
1842.36	0.787070813
1842.55	1.061094809
1842.63	1.180998995
1842.66	1.225963065
1842.78	1.402210827
1842.93	1.584053925
1843.03	1.67925041
1843.11	1.734329618
1843.26	1.815106576
1843.32	1.838946659
1843.42	1.859932186
1843.5	1.870597833
1843.64	1.868130422
1843.67	1.867048361
1843.83	1.859820064
1843.93	1.855068664
1844.04	1.849897752
1844.14	1.845474265
1844.25	1.843974587
1844.3	1.8441764

1844.42	1.844880775
1844.53	1.844928646
1844.65	1.840717646
1844.73	1.831050763
1844.82	1.815779893
1844.95	1.791997337
1845.02	1.778119134
1845.13	1.746614497
1845.19	1.728101173
1845.34	1.66880342
1845.41	1.639440851
1845.52	1.592683685
1845.6	1.555270536
1845.74	1.493177573
1845.86	1.444831455
1845.93	1.421446012
1846.02	1.391919644
1846.08	1.374843995
1846.26	1.331045965
1846.27	1.32907742
1846.4	1.30499993
1846.5	1.287905608
1846.65	1.276201827
1846.69	1.273579766
1846.85	1.265142084
1846.89	1.264080935
1846.99	1.261428061
1847.09	1.263743763
1847.23	1.269299523
1847.29	1.272257695
1847.45	1.281447865
1847.5	1.284499986
1847.59	1.288989539
1847.74	1.297284741
1847.87	1.305132914
1847.94	1.308880037
1848	1.312091857
1848.08	1.316050816
1848.25	1.323590938
1848.33	1.326692949
1848.43	1.331193747
1848.5	1.334375384
1848.6	1.337294639
1848.67	1.339319443
1848.82	1.346372012
1848.93	1.351814638

1849	1.355306208
1849.12	1.360049214
1849.2	1.363836793
1849.34	1.372116447
1849.37	1.373816338
1849.56	1.384852796
1849.57	1.385464837
1849.75	1.395221455
1849.78	1.396603794
1849.9	1.402978616
1850.01	1.409513428
1850.11	1.416116051
1850.23	1.423513889
1850.29	1.426987119
1850.44	1.436516542
1850.48	1.439144663
1850.59	1.445392618
1850.73	1.453964706
1850.82	1.460101763
1850.91	1.465546693
1851	1.470883337
1851.14	1.478479287
1851.21	1.481791576
1851.34	1.487414782
1851.42	1.490281154
1851.55	1.49539061
1851.66	1.500243384
1851.74	1.502604936
1851.8	1.504356438
1851.94	1.509222712
1852	1.511326185
1852.07	1.513055421
1852.22	1.515351067
1852.3	1.515431004
1852.4	1.514473726
1852.53	1.512868989
1852.57	1.512485448
1852.7	1.511214075
1852.82	1.509990155
1852.9	1.509812537
1853.03	1.509179465
1853.13	1.507912999
1853.26	1.504001603
1853.28	1.503303956
1853.42	1.498443411
1853.47	1.496711304

1853.58	1.492054496
1853.73	1.485782407
1853.82	1.48223547
1853.93	1.477868943
1854	1.474945634
1854.1	1.46962513
1854.17	1.46568592
1854.36	1.452449735
1854.4	1.449416156
1854.51	1.441099797
1854.65	1.430648366
1854.72	1.425592395
1854.79	1.420547679
1854.96	1.406678663
1855	1.403328481
1855.14	1.391579163
1855.2	1.386599219
1855.38	1.371705965
1855.39	1.370878562
1855.51	1.360937487
1855.63	1.350948386
1855.71	1.344165992
1855.82	1.334776514
1855.92	1.326240625
1855.99	1.320278605
1856.12	1.309485883
1856.22	1.302642106
1856.3	1.297682731
1856.44	1.289003824
1856.52	1.284044449
1856.63	1.277225308
1856.74	1.269968628
1856.81	1.265291056
1857.32	1.239198646
1857.82	1.228637134
1858.35	1.219300079
1858.82	1.213088694
1859.31	1.211683903
1859.83	1.21570569
1860.34	1.219351091
1860.77	1.221908755
1861.29	1.222029397
1861.85	1.219991237
1862.35	1.216696401
1862.87	1.213792553
1863.31	1.209909425

1863.83	1.200145057
1864.32	1.189157993
1864.84	1.178825699
1865.34	1.163883612
1865.8	1.142569794
1866.33	1.117594854
1866.82	1.09336937
1867.3	1.072512464
1867.85	1.052512914
1868.33	1.033846864
1868.82	1.014930095
1869.31	1.000244937
1869.82	0.98787484
1870.35	0.974109129
1870.87	0.960770205
1871.28	0.95167726
1871.77	0.941869834
1872.33	0.932897303
1872.83	0.924243018
1873.32	0.917385405
1873.82	0.912790086
1875.81	0.905846989
1877.85	0.903805801
1879.8	0.909665072
1881.83	0.926210039
1883.83	0.938565904
1885.81	0.947872643
1887.85	0.95201887
1889.83	0.948526625
1891.87	0.945325581
1893.84	0.942782786
1895.84	0.939021567
1897.75	0.933966107
1902.77	0.933958994
1907.84	0.933680055
1912.86	0.937402855
1917.81	0.930819912
1922.83	0.916960931
1927.81	0.904678534
1932.84	0.896152854
1937.81	0.887823946
1942.78	0.882962296
1947.78	0.873817969
1952.82	0.868454963
1957.82	0.866239792
1962.77	0.86147099

1967.82	0.858591758
1972.8	0.855564176
1977.81	0.866831472
1982.8	0.884918232
1987.81	0.89508418
1992.85	0.908143522
1997.82	0.921021484

Ph3SiH_eV	Ph3SiH_Int
1802.16	-0.005868312
1804.16	-0.013890402
1806.16	-0.007840136
1808.16	-0.005012146
1810.16	-0.004270292
1812.16	0.001724259
1814.16	0.000698582
1816.16	-0.001567526
1818.16	0.002666237
1820.16	-0.000733192
1822.16	-0.003737793
1824.16	0.002597146
1826.16	-0.003690085
1828.16	0.00059068
1830.16	-0.0006374
1832.16	0.002072218
1834.16	0.00519529
1836.16	0.008472847
1838.16	0.014385951
1838.36	0.019308082
1838.56	0.007454619
1838.76	0.019578016
1838.96	0.01785656
1839.16	0.022915727
1839.36	0.019007907
1839.56	0.025945601
1839.76	0.036412045
1839.96	0.029326783
1840.16	0.04684741
1840.36	0.04791704
1840.56	0.064536109
1840.76	0.067457606
1840.96	0.077273554
1841.16	0.094780211
1841.36	0.124564361
1841.56	0.159493257
1841.76	0.214662131

1841.96	0.316069457
1842.16	0.475147058
1842.36	0.850331343
1842.56	1.242135714
1842.76	1.481003155
1842.96	1.516669744
1843.16	1.408951033
1843.36	1.241064831
1843.56	1.140802043
1843.76	1.117841443
1843.96	1.176341587
1844.16	1.369038805
1844.36	1.581059412
1844.56	1.764136811
1844.76	1.861934922
1844.96	1.876467765
1845.16	1.843750471
1845.36	1.799195971
1845.56	1.755306624
1845.76	1.741356281
1845.96	1.714782501
1846.16	1.639700698
1846.36	1.565949867
1846.56	1.487036288
1846.76	1.440403644
1846.96	1.399738978
1847.16	1.38311176
1847.36	1.397039174
1847.56	1.408423457
1847.76	1.418766785
1847.96	1.412047203
1848.16	1.405591475
1848.36	1.37459212
1848.56	1.356673557
1848.76	1.351190029
1848.96	1.355210841
1849.16	1.349408635
1849.36	1.336389599
1849.56	1.343179335
1849.76	1.330022323
1849.96	1.349929245
1850.16	1.357798431
1850.36	1.396740925
1850.56	1.427369311
1850.76	1.483785012
1850.96	1.536035159

1851.16	1.601172099
1851.36	1.648336318
1851.56	1.698574778
1851.76	1.741753746
1851.96	1.782935157
1852.16	1.803363624
1852.36	1.81130283
1852.56	1.817635845
1852.76	1.805002543
1852.96	1.779227559
1853.16	1.777015238
1853.36	1.747810542
1853.56	1.728883251
1853.76	1.697754418
1853.96	1.673728035
1854.16	1.65182922
1854.66	1.589051942
1855.16	1.512108425
1855.66	1.456067127
1856.16	1.373136569
1856.66	1.313015503
1857.16	1.257166172
1857.66	1.222808359
1858.16	1.198875126
1858.66	1.182633209
1859.16	1.198100625
1859.66	1.207813761
1860.16	1.225533159
1860.66	1.231004788
1861.16	1.231853376
1861.66	1.232147259
1862.16	1.229999693
1862.66	1.235986134
1863.16	1.231214285
1863.66	1.231538996
1864.16	1.225966784
1864.66	1.215906275
1865.16	1.200190034
1865.66	1.167419815
1866.16	1.152078577
1866.66	1.114290552
1867.16	1.080104542
1867.66	1.03595434
1868.16	1.004653603
1868.66	0.97906632
1869.16	0.947192048

1869.66	0.927545347
1870.16	0.905228538
1870.66	0.880971027
1871.16	0.865435322
1871.66	0.857116081
1872.16	0.836331409
1874.16	0.809329135
1876.16	0.818974516
1878.16	0.831194855
1880.16	0.852556129
1882.16	0.879142707
1884.16	0.909604921
1886.16	0.931064311
1888.16	0.946500466
1890.16	0.940525657
1892.16	0.93525286
1894.16	0.933099496
1896.16	0.925599947
1898.16	0.929002298
1900.16	0.932672935
1902.16	0.934941113
1907.16	0.923115406
1912.16	0.923915736
1917.16	0.928136879
1922.16	0.912856797
1927.16	0.903138962
1932.16	0.878547042
1937.16	0.880079513
1942.16	0.871950572
1947.16	0.881006921
1952.16	0.888956759

Ph4Si_eV	Ph4Si_Int
1793.65	0.002989157
1795.65	0.005850207
1797.65	0.002553896
1799.65	0.003765009
1801.65	0.005111046
1803.65	0.0007498
1805.65	-0.003969352
1807.65	0.005086675
1809.65	-0.004958478
1811.65	-0.004206233
1813.65	-0.005331752
1815.65	-0.006504456
1817.65	0.001614245

1819.65	-0.00308034
1821.65	-0.004039274
1823.65	-0.00107178
1825.65	-0.003940177
1827.65	-0.007778789
1829.65	0.005595808
1831.65	0.002395661
1833.65	0.004673811
1835.65	0.007380044
1837.65	0.017439757
1839.65	0.060982902
1839.8	0.061192246
1839.949	0.06865504
1840.098	0.070210117
1840.247	0.080113402
1840.396	0.086434459
1840.545	0.087714217
1840.694	0.105092035
1840.843	0.119634445
1840.992	0.135335972
1841.141	0.158099371
1841.29	0.188910653
1841.439	0.235527649
1841.588	0.302697017
1841.737	0.413601901
1841.886	0.553765778
1842.035	0.8113739
1842.184	1.045464367
1842.333	1.315750469
1842.482	1.407117696
1842.631	1.376533944
1842.78	1.21909042
1842.929	1.04136366
1843.078	0.857896618
1843.227	0.733154547
1843.376	0.66497138
1843.525	0.611560097
1843.674	0.615887734
1843.823	0.635625111
1843.972	0.677408465
1844.121	0.757024597
1844.27	0.91840263
1844.419	1.149434075
1844.568	1.401852406
1844.717	1.75929553
1844.866	2.093954555

1845.015	2.384551827
1845.164	2.571254588
1845.313	2.574371543
1845.462	2.471276421
1845.611	2.287942944
1845.76	2.042018284
1845.909	1.885810008
1846.058	1.63525635
1846.207	1.492866171
1846.356	1.348315658
1846.505	1.263749832
1846.654	1.217396812
1846.803	1.192095816
1846.952	1.185901373
1847.101	1.193878156
1847.25	1.190541439
1847.399	1.179396736
1847.548	1.159819523
1847.697	1.139006795
1847.846	1.096443785
1847.995	1.054763463
1848.144	1.023950849
1848.293	0.993744558
1848.442	0.976335414
1848.591	0.982859251
1848.74	0.989699684
1848.889	0.998613487
1849.038	1.030761282
1849.187	1.088085808
1849.336	1.122086709
1849.485	1.155330488
1849.634	1.213886596
1849.9	1.282572922
1850.15	1.359967787
1850.4	1.388990795
1850.65	1.443124734
1850.9	1.515060946
1851.15	1.595707396
1851.4	1.690810035
1851.65	1.770525566
1851.9	1.836663829
1852.15	1.848415857
1852.4	1.870087372
1852.65	1.855583185
1852.9	1.834095533
1853.15	1.822017077

1853.4	1.801663509
1853.65	1.769167852
1853.9	1.722143475
1854.15	1.683720372
1854.4	1.602076003
1854.65	1.514503221
1856.65	1.091158863
1858.539	1.114144726
1860.428	1.161015272
1862.317	1.195704963
1864.206	1.187859678
1866.095	1.105836348
1867.984	0.957323159
1869.873	0.843389497
1871.762	0.78294965
1873.651	0.773366757
1876.65	0.793585761
1879.65	0.838460336
1882.65	0.885793742
1885.65	0.933489709
1888.65	0.95633274
1891.65	0.946204189
1894.65	0.938749932
1897.65	0.932620522
1900.65	0.940602904
1903.65	0.943176967
1908.65	0.926235449
1913.65	0.932346226
1918.65	0.937886611
1923.65	0.916594757
1928.65	0.89045414
1933.65	0.875590658
1938.65	0.866879186
1943.65	0.870596165
1948.65	0.855525886
1953.65	0.856225342
1958.65	0.854044374
1963.65	0.827582162
1968.65	0.843575194
1973.65	0.854720631
1978.65	0.869285517
1983.65	0.897354805
1988.65	0.888460336
1993.65	0.761272668