



Inventory archive Jacobus Laurens Sirks (1837-1905)

- 1 Notebooks J.L. Sirks, labeled A for Algemeen (General)**
 - 1.1 Discussion statements dissertation J.L. Sirks (print, 1 page)
 - 1.2 Lecture J.L. Sirks about Francis Bacon, Groningen 1864
 - 1.3 Lecture J.L. Sirks about physics, Leeuwarden 1864 (26 pages)
 - 1.4 Notebook 'Synoniemen' (synonyms), 1867
 - 1.5 Two notebooks 'Perikles burgers' (citizens according to Pericles), 1880 (pages 1-23 and 23-38)
 - 1.6 Notebook 'Alexandria en het Museum' (Alexandria and the Museum), 1884 (37 pages)
 - 1.7 Notebook 'Diva Pecunia', 1892 (pages 1-19 and 20-39)
 - 1.8 Notebook 'Zestiende eeuw. Geschiedenis van Karel V en Philips II 1506-1598' (Sixteenth century. History of Charles V and Philip II of Spain 1506-1598) (58 pages)

- 2 Notebooks J.L. Sirks with manuscripts of published articles**
 - 2.1 Über die Compensation eines optischen Gangunterschiedes
 - 2.2 No title
 - 2.3 Über die Refraction und Dispersion des Selens
 - 2.4 'Phaseverandering' (Phase transition) (2 notebooks)

- 3 Notebooks J.L. Sirks, labeled Op. for Optisch (Optical). Notes on optical subjects**
 - 3.1 'Een- twee-assige kristalle. Gangverschillen' (one and two axis crystals, phase differences)
 - 3.2 'Brom, zwavel vloeib., phosphorzwavel' (Bromine, liquid sulfur, phosphorus sulfur)
 - 3.3 'Spectrum eigen meting en gangverschil' (spectrum own measurements and phase differences)
 - 3.4 'Circulaire en elliptische polarisatie' (circular and elliptical polarisation)
 - 3.5 'Jaminsche toestel met spectraskoop' (Jamin interferometer)
 - 3.6 'Biprisma' (biprism)
 - 3.7 'Interpretatie van dikke platen $d_1=d_2$ ' (interpretation of thick slabs $d_1=d_2$)
 - 3.8 'De brekingscoëfficiënt van wit licht' (refractive index of white light)
 - 3.9 'Diffractie achter een schijfje' (diffraction behind a disk)
 - 3.10 'Gekleurde ellipsen bij Jaminplaten en bij dikke platen' (coloured ellipses with Jamin slabs and thick slabs) (6 notebooks)

- 4 Notebooks J.L. Sirks, labeled St. for Sterrenkunde (Astronomy)**
 - 4.1 Observations and movement of starsigns
 - 4.2 'Astronomie varia' (astronomy miscellaneous)
 - 4.3 Various measurements
 - 4.4 Offprint: 'Over de kroon van het noorderlicht' (about Aurora Borealis), among others

- 5 Two notebooks J.L. Sirks, labeled group C**

- 6 Miscellaneous: observations and documents on a debate held 20 march 1896**

- 7 Dossier by J. Sirks. This part of the archive was donated by Dr. Tj. H. de Boer, 1980.**
 - 7.1 4 drafts of letters from Sirks to J.C. Poggendorff from 1870-1871 (4 typed copies, 1 manuscript original, 4 pages)

- 7.2 Draft letter from Sirks to E. Pringsheim, 1899 (1 page)
- 7.3 Two letters from J.C. Poggendorff to Sirks, 1870 (2 typed copies and 2 manuscript original, 4 pages)
- 7.4 Letter from Sirks to the secretary of the Dutch Royal Academy and response, 1876-1877 (typed copies, 2 pages)
- 7.5 Correspondence and newspaper clipping about honorary doctorate, 1892 (1 manuscript original and 4 copies, 5 pages)
- 7.6 Offprint 'De classicus Sirks als uitvinder van de interferentiemicroscoop' (classical scholar Sirks as inventor of the interference microscope), public lesson by dr. T.J. de Boer 1967 (5 pages)
- 7.7 J.L. Sirks, 'Een interferentie-microscoop' (interference microscope', offprint from *Handelingen van het Vierde Nederlandsch Natuur- en Geneeskundig Congres* (original, 3 pages and copy, 5 pages)
- 7.8 J.L. Sirks, 'Über die Refraction und Dispersion des Selens' (pp. 429-439) and 'Über die Compensation eines optischen Gangunterschiedes' (pp. 621-635 and pp. 394-406)
- 7.9 Manuscript J. Sirks: 'Een interferentiemicroscoop', speech at the fourth Nederlandsch Natuur- en Geneeskundig Congres (6 pages)
- 7.10 Manuscript J. Sirks, 'Interferentieverschijnselen bij loodrechte terugkaatsing in dunne platen' (interference in the case of perpendicular reflection with thin slabs), lecture from the second Nederlandsch Natuur- en Geneeskundig Congres, 1889 (5 pages). Typescript of the same (6 pages). Two offprints of the same (pp. 81-84)
- 7.11 Typescript J.L. Sirks, 'Over de phaseverandering van loodrecht teruggekaatst licht' (on the phase difference of perpendicular reflected light) (pp. 1-24)
- 7.12 Typescript Sirks, 'Dubbele beeldmikrometer met schroef' (5 pages). With notes (1 bifolio, 3 pages)
- 7.13 Manuscript Sirks, 'Over de phaseverandering van loodrecht teruggekaatst licht' (on the phase difference of perpendicular reflected light) (pp. 1-24)
- 7.14 Report on Sirks' 'De l'influence de la diffraction par un réseau à mailles rectangulaires, placé devant l'objectif d'une lunette, sur la clarté de l'image principale d'une étoile' (2 bifolio and a 5 page copy)
- 7.15 J.L. Sirks, 'De l'influence de la diffraction par un réseau à mailles rectangulaires, placé devant l'objectif d'une lunette, sur la clarté de l'image principale d'une étoile', offprint from *de Verslagen en Meededeelingen der Koninklijke Akademie van Wetenschappen, Afdeling Natuurkunde*, vol. 3, part IX (Amsterdam 1892)
- 7.16 J.L. Sirks, *On the astigmatism of Rowland's concave gratings. Eerste sectie. Verhandelingen der Koninklijke Akademie van Wetenschappen te Amsterdam* (Amsterdam 1894). Copy of the same from *Astronomy and Astrophysics* (6 pages)
- 7.17 Report by Loretz and Kamerlingh Onnes on Sirks' 'On the astigmatism of Rowland's concave gratings' (original and copy, 2 pages each)
- 7.18 Review of Sirks' 'The use of a wire screen in photometry', copied from *The observatory* (1 page)
- 7.19 Dissertation H. Tolner 'Dr. J.L. Sirks. Samenvatting van zijn werk', 1971
- 7.20 E. Pringsheim, 'Über ein Interferenzmikroskop nach Sirks', offprint from *Verh. Der Physikal. Ges. zu Berlin XVII nr. 13* (3 pages), and a message from Pringsheim from the same periodical I nr. 5 (1 page)
- 7.21 Drawing of the Martinitower plus calculations (1 page and 1 copy)
- 7.22 Coverpages of L.H. Siertsema's dissertation (copy), 2 pages
- 7.23 Notes (1 page)