

Laboratoire SPHERE, Sciences, Philosophie, Histoire, UMR 7219

Février 2015, séminaires et colloques, conférences

Dates : 5, 6, 7, 9, 10, 13, 16, 19, 20, 26

English Version

jeudi 5, 10:00 – 13:00, salle Gris, 734A

Groupe de travail des doctorants en histoire et philosophie de la physique

Michel Paty (CNRS, SPHERE): *Sur le rôle de la pensée mathématique dans l'élaboration des théories physiques.*

jeudi 5, 9:30 – 17:30, salle Mondrian, 646A

Histoire des sciences, histoire du texte

Groupe de travail “**How do Writings in the astral sciences document mathematical practices and the practitioners?**” (2/3), organisé par **Matthieu Husson** (CNRS, SYRTE, Observatoire de Paris & SAW Project) & **Rich Kremer** (Darmouth College, USA), avec le groupe SAW (projet ERC SAW ‘Mathematical Sciences in the Ancient World’)

9:30–11:30: **Daniel Morgan** (ERC SAW, SPHERE): *Sphere Confusion: The Textual Reconstruction of First-millennium Instruments.*

11:45–13:00 & 14:15–15:00: **Sho Hirose** (Univ. Paris Diderot, SPHERE and ERC SAW): *What were the functions of the armillary sphere in Paramesvara's Goladīpikā ?*

15:15–17:15 : **Nathan Sidoli** (Wasada University, Tokyo, invited by the ERC SAW): *The use of physical devices to do computation. Selections from Ptolemy's Analemma, and Heron's Dioptra 35.*

vendredi 6 et samedi 7, salle Cavallès, esc. C, 1er et., Université Paris 1, 17, rue de la Sorbonne, 75005

Al-Fārābī's Philosophy

Workshop organisé dans le cadre du **Séminaire de Philosophie arabe** par **Jean-Baptiste Brenet** (Paris 1-Pan-théon Sorbonne, UMR 7219) et **David Wirmer** (Universität zu Köln) avec les doctorants du séminaire. Tous les détails sur la page du séminaire.

Vendredi 6

16:00 Accueil et présentation : J.-B. Brenet, D. Wirmer

16:10 **Lars Reuke** (Köln): *Al-Fārābī's Parallelism of the Cosmos, the Soul, and the Political Sphere.*

16:40 Discussion

16:50 **Giulia Lelli** (Paris): *Dialectics in The Philosophy of Aristotle.*

17:20 Discussion

17:30 **Lucie Tardy** (Paris): *The Status of Imitation in the Purchase of Essences in al-Fārābī's Kitāb taḥṣīl al-sa'āda : a Comparison with Plato's divided Line.*

18:00–18:10 Discussion

Samedi 7

10:00 **Sissi Grasser** (Köln): *Al-Fārābī on Intellect in his Philosophy of Aristotle.*

10:30 Discussion

10:40 **Ivan Bouchardeau** (Paris): *Governing by Images in al-Fārābī's Political Works.*

11:10 Discussion

11:20 **Jonas van Treeck** (Köln): *Al-Fārābī's Treatise on Vacuum.*

11:50–12:00 Discussion

vendredi 6, Paris I, Centre Antique et médiéval

Séminaire de traduction des **Eléments de théologie de Proclus**

lundi 9, 9:30 – 17:00, salle Mondrian, 646A

Histoire et philosophie des mathématiques

1^{ère} partie, suite de la séance **Méthodes d'approximation et des questions de discrétisation** (15/12/2014), séance en anglais dans le cadre du projet ERC SAW 'Mathematical Sciences in the Ancient World', organisée par **Christine Proust**, Maarten **Bullynck** et Marie-José **Durand-Richard** dans le cadre du projet ERC SAW 'Mathematical Sciences in the Ancient World'.

9:30-10:45 : **Nadine De Courtenay** (Univ. Paris Diderot, SPHERE) : *Le don de la méprise. L'approximation et l'incertitude comme modalités de la traduction mathématique des phénomènes physiques.*

2nde partie : 11:00–17:00, **Mathématiques, sciences astrales et trigonométrie**, en anglais, organisée par **Agathe Keller** (CNRS, SPHERE & ERC SAW) dans le cadre du projet ERC SAW 'Mathematical Sciences in the Ancient World.'

11:00-12:15 : **Clemency Montelle** (Univ. Canterbury, N.-Z., invited by the ERC SAW) : *Quelques réflexions sur la trigonométrie dans les sciences astrales en Sanskrit.*

12:30-13:15 / 14:15–14:45 : **Nathan Sidoli** (Wasada University, Tokyo, invited by the ERC SAW) : *Episodes in Greek Trigonometry.*

15:00-16:30 : **Philippe Abgrall** (CNRS, CEPERC) : *Le recours au théorème des sinus pour résoudre certains problèmes liés à l'astrolabe, par Ibn 'Irāq* [en français, documents en anglais].

lundi 9, 10:00 – 12:30, salle Rothko, 412B

Histoire de la logique

:: **Four reformer logicians** (4/4)

Paul Thom (The University of Sydney) : *The critiques and developments of Aristotelian logic proposed by Leibniz, Ploucquet and Hegel: an exposition and examination of some recent interpretations.*

mardi 10, 9:30 – 12:00, salle Rothko, 412B

Mathématiques et Philosophie, 19^e et 20^e siècles

Sylvain Cabanacq (Univ. Paris Diderot, SPHERE) : *Introduction aux structures o-minimales : quelques résultats fondamentaux.*

vendredi 13, 9:30 – 12:30, salle Kandinsky, 631B

Mathématiques « arabes » et **Mathématiques à la Renaissance**

Eleonora Sammarchi (Univ. Paris Diderot, SPHERE) : *Exemples de problèmes d'analyse indéterminée.*

Sophie Couteaud (Univ. Paris Diderot, SPHERE) : *Méthodes pour trouver des nombres particuliers : congruents, diamétraux...*

vendredi 13, 9:30-17:30, salle Malevitch, 483A

Workshop SAW "Mathematical practices in relation to the Astral Sciences"

:: **Mathematical reasonings in the astral sciences** (3/3): Reasonings in Chinese and Latin texts

Karine Chemla (CNRS, SPHERE & SAW Project) : *Mathematical reasoning in early writings on astral sciences.*

Chen Zhihui (CNRS, SAW Project) : *Calculating Ancient Chronology by Ancient Astral-mathematical Methods: Mid-Qing (Late 18th and Early 19th Century) Scholars' Studies on the Chronology of Confucian Classics.*

Matthieu Husson (CNRS, SYRTE, Observatoire de Paris & SAW Project) & **Rich Kremer** (Darmouth College, USA) : *Conjunction problems in John of Murs's Quadripartitum numerorum and syzygy computations.*

vendredi 13, 10:00 – 13:00, Bibliothèque Sorbonne

Séminaire de traduction La métaphysique d'Aristote d'Alexandre d'Aphrodise

Traduction de passages du Commentaire au livre Gamma.

vendredi 13, 13:00 – 17:00, salle 10, EHESS, 105 bd Raspail, Paris 6e.

Pouvoirs de l'imagination. Approches historiques.

13:00–15:00: **Koen Vermeir** (CNRS, SPHERE): *La force de l'imagination chez Francis Bacon.*

15:00–17:00: **Saverio Ansaldi** (Université de Reims Champagne Ardenne): *Giordano Bruno et l'imagination.*

vendredi 13, 14:00 – 18:00, salle 204, bâtiment Olympe de Gouges

Penser/classer les collections techniques

:: Les classifications des instruments scientifiques

Armelle Legoff (Archives nationales): Présentation du livre : Bertrand Daugeron et Armelle Leggoff dir., *Penser/classer/administrer. Pour une histoire croisée des collections*, Paris, CTHS / MNHN, 2014.

Alexi Baker (CRASSH & History and Philosophy of Science, University of Cambridge): *Instruments of early modern London : urban manufacture, transnational use, and modern (mis)representation.*

vendredi 13, 14:00 – 18:00, salle Mondrian, 646A

La stimulation cérébrale profonde et l'histoire des maladies neurodégénératives et psychiatriques

Jean-Claude Dupont (SPHERE): *La maladie de Parkinson : histoire pathogénique et thérapeutique.*

Céline Cherici (SPHERE): *Stimulation cérébrale profonde et psychiatrie : les troubles obsessionnels compulsifs.*

vendredi 13, !! exceptionnellement 16:00 – 18:00 !! , salle Rothko, 412B

La cosmologie d'Averroès : le Commentaire moyen au De caelo d'Aristote

Cristina Cerami (CNRS, SPHERE): *Révision de la traduction de CMDC I, 4.*

lundi 16, 14:00 – 16:00, salle Gris, 734A

« La montée vers l'absolu » galoisienne, de Platon à Lawvere

Conférence de **Julien Page** (CNRS, projet ERC PhiloquantumGravity), dans le cadre du projet ERC PhiloQuantumGravity.

jeudi 19, 9:30 – 17:30, salle Mondrian, 646A

Histoire des sciences, histoire du texte

Groupe de travail “**How do Writings in the astral sciences document mathematical practices and the practitioners?**” (3/3), organisé par **Matthieu Husson** (CNRS, SYRTE, Observatoire de Paris & SAW Project) & **Rich Kremer** (Darmouth College, USA), avec le groupe SAW (projet ERC SAW ‘Mathematical Sciences in the Ancient World’)

9:30–11:30: **Li Liang** (Beijing Institute for the History of Natural Science, invited by the ERC SAW): *Procedural table as a tool: The calculations in Chinese calendric astronomy.*

11:45–13:00 & 14:15–15:00: **Mathieu Ossendrijver** (Berlin Humboldt University, Topoi, invited by the ERC SAW): *Astronomical tables of the spread sheet type.*

15:15–17:15: **Matthias Hayek** (CRCAO, Université Paris Diderot): *Rotating Disks and Straight Rulers: Paper Instruments in Japanese Early Modern Divination Manuals.*

vendredi 20, 9:30-17:30, salle Malevitch, 483A

Workshop SAW "Mathematical practices in relation to the Astral Sciences"

:: **Mathematical reasonings in the astral sciences (3/3):** Reasonings in mathematical and astronomical cuneiform texts

Mathieu Ossendrijver (Berlin Humboldt University, Topoi, invited by the ERC SAW): *Mathematical reasoning in the Saros Text (BM 36705+)*.

Christine Proust (CNRS, SPHERE & SAW Project): *Rule of three in Late Babylonian mathematical texts: regular / non regular numbers, reciprocals and approximation.*

Pierre Chaigneau (Université Paris Diderot, SPHERE & SAW Project): *Neugebauer's extrapolations from the notation of numbers in astronomical cuneiform texts of the Seleucid period and its consequences* (short talk).

vendredi 20, 14:00 – 16:00, amphi 1, bâtiment Olympe de Gouges

Entretiens HPS de Paris Diderot

*Nature, human nature, and human difference : Race in early modern philosophy**.

Ouvrage présenté par l'auteur : **Justin Smith** (Univ. Paris Diderot, SPHERE).

* Princeton University Press, à paraître

jeudi 26, 10:00 – 13:00, salle Gris, 734A

Groupe de travail des doctorants en histoire et philosophie de la physique

Eric Brizay (SPHERE): *Évolution des principes de la mécanique entre 1750 et 1850, en France et en Angleterre.*

PUBLICATION

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Dimitri El Murr (Univ. Paris 1 Panthéon-Sorbonne, SPHERE):

Savoir et gouverner. Essai sur la science politique platonicienne,

Paris, Vrin, « Tradition de la pensée classique », 2014, 336 p.

Une présentation de l'ouvrage et la table des matières sont en ligne sur le site de l'éditeur :

<http://www.vrin.fr/book.php?code=9782711625864>

et de SPHERE : <http://www.sphere.univ-paris-diderot.fr/spip.php?article1467>

COLLOQUES & JOURNEES D'ETUDE A VENIR

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Projet ERC SAW, à l'Université Paris Diderot :

– 19 et 20/03, Exploratory Workshop: “**Astral sciences, Mathematics and Rituals: 2015**”

Programme : <http://sawerc.hypotheses.org/workshops/exploratory-workshop-astral-sciences-mathematics-and-rituals-2015>

– 23 et 24/03, colloque “**Scholars & Scholarship in Late Babylonian Uruk**”

Programme : <http://sawerc.hypotheses.org/conferences/conference-science-and-scholarship-in-late-babylonian-uruk>

– 26-27-28 et 30-31/03, colloque « **Mathematical Practices in relation to the Astral Sciences** »
vient conclure le workshop «Mathematical Practices in relation to the Astral Sciences»

Programme : <http://sawerc.hypotheses.org/conferences/conference-mathematical-practices-in-relation-to-the-astral-sciences>

<http://www.sphere.univ-paris-diderot.fr>

Informations détaillées en cliquant sur le titre de l'événement ou sur



Research Unit SPHERE, Science, Philosophy, History, UMR 7219

February 2015, **Seminars** & **Workshops, Conferences**

Dates : 5, 6, 7, 9, 10, 13, 16, 19, 20, 26

Thursday 5, 10:00 – 13:00, Room Gris, 734A

PHD Students: Working group in History and philosophy of physics

Michel Paty (CNRS, SPHERE): *Sur le rôle de la pensée mathématique dans l'élaboration des théories physiques.*

Thursday 5, 9:30 – 17:30, Room Mondrian, 646A

History of Science, History of Text

Working Group “**How do Writings in the astral sciences document mathematical practices and the practitioners?**” (2/3), organised by **Matthieu Husson** (CNRS, SYRTE, Observatoire de Paris & SAW Project) & **Rich Kremer** (Darmouth College, USA), with the SAW Group (ERC Project SAW ‘Mathematical Sciences in the Ancient World’)

9:30–11:30 **Patrick Daniel Morgan** (ERC SAW, SPHERE): *Sphere Confusion: The Textual Reconstruction of First-millennium hun Instruments.*

11:45–13:00 & 14:15–15:00 **Sho Hirose** (Univ. Paris Diderot, SPHERE and ERC SAW): *What were the functions of the armillary sphere in Paramesvara’s Goladīpikā ?*

15:15–17:15 **Nathan Sidoli** (Wasada University, Tokyo, invited by the ERC SAW): *The use of physical devices to do computation. Selections from Ptolemy’s Analemma, and Heron’s Dioptra 35.*

Friday 6 & Saturday 7, Room Cavallès, stairs C, University Paris 1, 17, rue de la Sorbonne, 75005

Al-Fārābī’s Philosophy

Workshop organised in the context of the **Seminar of Arabic Philosophy** by **Jean-Baptiste Brenet** (Univ. Paris 1, SPHERE) and **David Wirmer** (Universität zu Köln), with the PhDs Students of the seminar. Details online here.

Vendredi 6

16:00 Accueil et présentation : J.-B. Brenet, D. Wirmer

16:10 **Lars Reuke** (Köln): *Al-Fārābī’s Parallelism of the Cosmos, the Soul, and the Political Sphere.*

16:40 Discussion

16:50 **Giulia Lelli** (Paris): *Dialectics in The Philosophy of Aristotle.*

17:20 Discussion

17:30 **Lucie Tardy** (Paris): *The Status of Imitation in the Purchase of Essences in al-Fārābī’s Kitāb taḥṣīl al-sa’āda : a Comparison with Plato’s divided Line.*

18:00–18:10 Discussion

Samedi 7

10:00 **Sissi Grasser** (Köln): *Al-Fārābī on Intellect in his Philosophy of Aristotle.*

10:30 Discussion

10:40 **Ivan Bouchardeau** (Paris): *Governing by Images in al-Fārābī’s Political Works.*

11:10 Discussion

11:20 **Jonas van Treeck** (Köln): *Al-Fārābī’s Treatise on Vacuum.*

11:50–12:00 Discussion

Friday 6, Paris I, Centre Antique et médiéval

Seminar of Translation of the Elements of Theology, Proclus

Monday 9, 9:30 – 17:00, Room Mondrian, 646A

History and Philosophy of Mathematics

1st part, in english : follow-up to **On the methods of approximation and on questions of discretization** (15/12/2014), session organized by Christine Proust, Maarten Bullynck & Marie-José Durand-Richard in the context of the ERC Project SAW ‘**Mathematical Sciences in the Ancient World**’.

9:30-10:45 : **Nadine De Courtenay** (Univ. Paris Diderot, SPHERE) : *The gift of mistaking. Approximation and uncertainty as modalities of the mathematical translation of physical phenomena.*

2nd part : 11:00–17:00, **Mathematics, Astral science and Trigonometry**, organised by Agathe Keller (CNRS, SPHERE & ERC SAW) in the context of the ERC Project SAW ‘**Mathematical Sciences in the Ancient World**’.

11:00-12:15 : **Clemency Montelle** (Univ. Canterbury, N.-Z., invited by the ERC SAW) : *Some reflections on trigonometry in the Sanskrit astral sciences. (in english).* [in english]

12:30-13:15 / 14:15–14:45 : **Nathan Sidoli** (Wasada University, Tokyo, invited by the ERC SAW) : *Episodes in Greek Trigonometry.* [in english]

15:00-16:30 : **Philippe Abgrall** (CNRS, CEPERC) : *Le recours au théorème des sinus pour résoudre certains problèmes liés à l’astrolabe, par Ibn ‘Irāq.* [talk in french, documents in english]

Monday 9, 10:00 – 12:30, Room Rothko, 412B

History of Logic

:: Four reformer logicians (4/4)

Paul Thom (The University of Sydney) : *The critiques and developments of Aristotelian logic proposed by Leibniz, Ploucquet and Hegel: an exposition and examination of some recent interpretations.*

Tuesday 10, 9:30 – 12:00, Room Rothko, 412B

Mathematics and Philosophy, 19th and 20th Centuries

Sylvain Cabanacq (Univ. Paris Diderot, SPHERE) : *Introduction aux structures o-minimales : quelques résultats fondamentaux.*

Friday 13, 9:30 – 12:30, Room Kandinsky, 631B

"Arabic" Mathematics & Mathematics in the Renaissance

Eleonora Sammarchi (Univ. Paris Diderot, SPHERE) : *Exemples de problèmes d’analyse indéterminée.*

Sophie Couteaud (Univ. Paris Diderot, SPHERE) : *Méthodes pour trouver des nombres particuliers : congruents, diamétraux...*

Friday 13, 9:30-17:30, Room Malevitch, 483A

Workshop SAW «Mathematical practices in relation to the Astral Sciences»

:: Mathematical reasonings in the astral sciences (3/3): Reasonings in Chinese and Latin texts

Karine Chemla (CNRS, SPHERE & SAW Project) : *Mathematical reasoning in early writings on astral sciences.*

Chen Zhihui (CNRS, SAW Project) : *Calculating Ancient Chronology by Ancient Astral-mathematical Methods: Mid-Qing (Late 18th and Early 19th Century) Scholars’ Studies on the Chronology of Confucian Classics.*

Matthieu Husson (CNRS, SYRTE, Observatoire de Paris & SAW Project) & **Rich Kremer** (Darmouth College, USA) : *Conjunction problems in John of Murs’s Quadripartitum numerorum and syzygy computations.*

Friday 13, 10:00 – 13:00, Bibliothèque Sorbonne

Seminar of translation *The Aristotle Metaphysics of Alexander of Aphrodisias*

Translation of texts of Commentary to Book Gamma.

Friday 13, 13:00 – 17:00, Room 10, EHESS, 105 bd Raspail, Paris 6e.

Powers of Imagination. Historical Approach.

13:00–15:00: **Koen Vermeir** (CNRS, SPHERE): *La force de l'imagination chez Francis Bacon.*

15:00–17:00: **Saverio Ansaldi** (Université de Reims Champagne Ardenne): *Giordano Bruno et l'imagination.*

Friday 13, 14:00 – 18:00, Room 204, Building Olympe de Gouges

Thinking / classifying technical collections

:: Les classifications des instruments scientifiques

Armelle Legoff (Archives nationales): Présentation du livre : Bertrand Daugeron et Armelle Leggoff dir., *Penser/classer/administrer. Pour une histoire croisée des collections*, Paris, CTHS / MNHN, 2014.

Alexi Baker (CRASSH & History and Philosophy of Science, University of Cambridge): *Instruments of early modern London : urban manufacture, transnational use, and modern (mis)representation.*

Friday 13, 14:00 – 18:00, salle Mondrian, 646A

Deep brain stimulation and the History of neurodegenerative and psychiatric diseases

Jean-Claude Dupont (SPHERE): *La maladie de Parkinson : histoire pathogénique et thérapeutique.*

Céline Cheric (SPHERE): *Stimulation cérébrale profonde et psychiatrie : les troubles obsessionnels compulsifs.*

Friday 13, !! exceptionnellement 16:00 – 18:00 !! , Room Rothko, 412B

Averroes's Cosmology: The Middle Commentary on the De Caelo of Aristotle

Cristina Cerami (CNRS, SPHERE): *Révision de la traduction de CMDC I, 4.*

Monday 16, 14:00 – 16:00, Room Gris, 734A

« La montée vers l'absolu » galoisienne, de Platon à Lawvere

Talk by **Julien Page** (CNRS, ERC Project PhiloQuantumGravity), in the context of the ERC Project PhiloQuantumGravity.

Thursday 19, 9:30 – 17:30, Room Mondrian, 646A

History of Science, History of Text

Working Group “**How do Writings in the astral sciences document mathematical practices and the practitioners?**” (3/3), organised by **Matthieu Husson** (CNRS, SYRTE, Observatoire de Paris & SAW Project) & Rich Kremer (Dartmouth College, USA), with the SAW Group (ERC Project SAW ‘Mathematical Sciences in the Ancient World’)

9:30–11:30 **Li Liang** (Beijing Institute for the History of Natural Science, invited by the ERC SAW): *Procedural table as a tool: The calculations in Chinese calendric astronomy.*

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15:15–17:15 **Matthias Hayek** (CRCAO, Université Paris Diderot): *Rotating Disks and Straight Rulers: Paper Instruments in Japanese Early Modern Divination Manuals.*

Friday 20, 9:30-17:30, Room Malevitch, 483A

Workshop SAW "Mathematical practices in relation to the Astral Sciences"

:: **Mathematical reasonings in the astral sciences (3/3):** Reasonings in mathematical and astronomical cuneiform texts

Mathieu Ossendrijver (Berlin Humboldt University, Topoi, invited by the ERC SAW): *Mathematical reasoning in the Saros Text (BM 36705+)*.

Christine Proust (CNRS, SPHERE & SAW Project): *Rule of three in Late Babylonian mathematical texts: regular / non regular numbers, reciprocals and approximation*.

Pierre Chaigneau (Université Paris Diderot, SPHERE & SAW Project): *Neugebauer's extrapolations from the notation of numbers in astronomical cuneiform texts of the Seleucid period and its consequences* (short talk).

Friday 20, 14:00 – 16:00, amphi 1, Building Olympe de Gouges

Meetings HPS of Paris Diderot

*Nature, human nature, and human difference : Race in early modern philosophy**.

Book presented by the author: **Justin Smith** (Univ. Paris Diderot, SPHERE).

* Princeton University Press, soon released

Thursday 26, 10:00 – 13:00, Room Gris, 734A

PHD Students: Working group in History and philosophy of physics

Eric Brizay (SPHERE): *Évolution des principes de la mécanique entre 1750 et 1850, en France et en Angleterre*.

PUBLICATION

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Dimitri El Murr (Univ. Paris 1 Panthéon-Sorbonne, SPHERE):

Savoir et gouverner. Essai sur la science politique platonicienne, Paris, Vrin, « Tradition de la pensée classique », 2014, 336 p.

A presentation of the book and the table of contents is available on the publisher website:

<http://www.vrin.fr/book.php?code=9782711625864>

and on SPHERE website: <http://www.sphere.univ-paris-diderot.fr/spip.php?article1467>

NEXT WORKSHOPS

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ERC Project SAW, at the University Paris Diderot:

– 19 & 20/03, Exploratory Workshop “**Astral sciences, Mathematics and Rituals: 2015**”

Programme : <http://sawerc.hypotheses.org/workshops/exploratory-workshop-astral-sciences-mathematics-and-rituals-2015>

– 23 & 24/03, Conference “**Scholars & Scholarship in Late Babylonian Uruk**”

Programme : <http://sawerc.hypotheses.org/conferences/conference-science-and-scholarship-in-late-babylonian-uruk>

– 26-27-28 & 30-31/03, Conference “**Mathematical Practices in relation to the Astral Sciences**” that concludes the 3-months Workshop “Mathematical Practices in relation to the Astral Sciences”

Programme : <http://sawerc.hypotheses.org/conferences/conference-mathematical-practices-in-relation-to-the-astral-sciences>

<http://www.sphere.univ-paris-diderot.fr>

Details by clicking on titles of events. For general information:

