

9:45 Get together

10:00-11:30 Mesopotamian bookkeeping and abstraction

Jens Høyrup: *What is a number – what is a concept – who has a number concept?*

Cale Johnson: *Meat distribution in Late Uruk diacritical feasts: Second-order bookkeeping techniques and their institutional context in third millennium BCE Mesopotamia*

Joachim Schaper: *'Real abstraction' and the origins of intellectual abstraction in ancient Mesopotamia: ancient economic history as a key to the understanding and evaluation of Marx's labour theory of value*

Coffee break

11:45-13:15 Ontogenesis, historical development and intercultural cooperation

Katja Bödecker: *Können Entwicklungspsychologie und Wissenschaftsgeschichte voneinander lernen?*

Wulf Schiefenhövel: *The dramatic pace of acculturation and the ability of so many Eipo to jump from stone age to computer age in one generation ... without having read Aristotle*

Zhang Baichun: *Peter and the Chinese Partner Group*

Lunch (for invited participants)

14:15-15:45 Education

Henning Vierck: *In anderen Zeiten. Die Idee des Comenius-Gartens*

Circe Dynnikov: *A textbook for the teaching of mathematics in Brazilian indigenous schools*

Christine Keitel: *Elementarmathematik – Lernen für die Praxis? Ein Versuch der Bestimmung fachübergreifender Curriculumziele*

Coffee break

16:00-17:30 Knowledge and material representation

Diethelm Stoller: *Der Würfel auf der Spitze. Pieros inszenierter Blick.*

Wolfgang Lefèvre: *Mathematische Instrumente*

Ursula Klein: *Paper tools*

19:00 Dinner at Fabecks (for invited participants)



9:30-11:30 Ancient knowledge

Peter McLaughlin: *Aristotle's 'Mechanical Problems'*

Mark Schiefsky: *Geometry and mechanics in Pappus of Alexandria*

Jens Braarvig: *The diffusion of the Aristotelian corpus. Some reflections*

Florentina Geller: *Cosmology in Enoch*

Coffee break

11:45-13:15 Early writing and arithmetics

Eva Cancik-Kirschbaum: *Sign arithmetics*

Manfred Krebern timer: *Towards the decipherment of the 'Blau stones' – Some new suggestions*

Bill Boltz: *The Chinese sexagenary cycle and the origin of the Chinese writing system*

Lunch (for invited participants)

14:15-15:45 History of mathematics

Mark Ronan: *Finding the Babylonian Diagonal Rule*

Oscar Abdonur: *The emergence of the idea of real number in theoretical music contexts in the Renaissance*

Tian Miao: *Peter Damerow and my comparative research on the history of mathematics*

Coffee break

16:00-17:30 Scholarship and electronic visions

Margaret Haines: *A future for the Years of the Cupola*

Greg Crane: *From the history of mechanics to open philology*

Julia Damerow and Manfred Laubichler: *A computational research system for the history of science.*





19-20 December 2013
MAX PLANCK INSTITUTE
FOR THE HISTORY OF SCIENCE
Conference Room, Ground Floor
Boltzmannstraße 22, 14195 Berlin



COLLOQUIUM
COMMEMORATING
PETER DAMEROW