

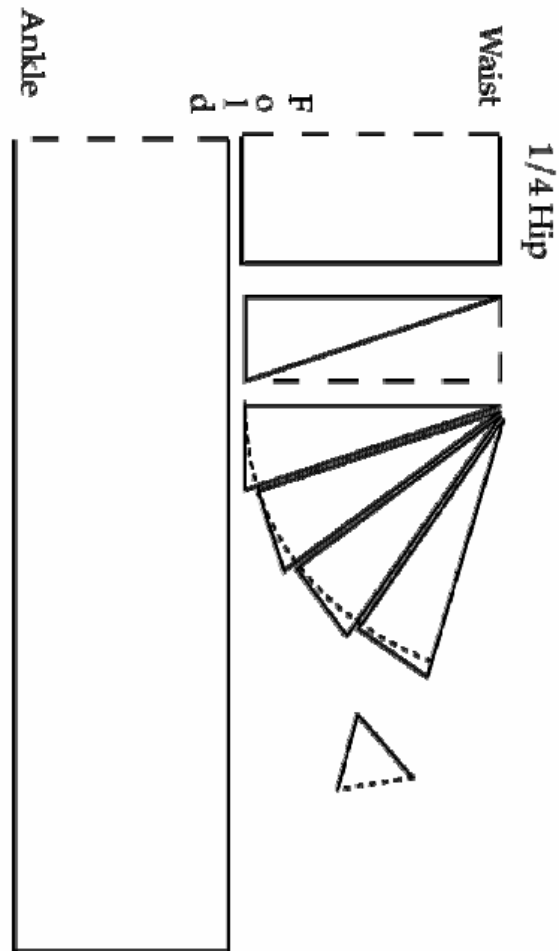
The Geometry of Asian Trousers

An LKL Maths-Art seminar by
Penelope Woolfitt
Tuesday 8 April,
6.00 – 7.30pm
London Knowledge Lab, WC1N 3QS

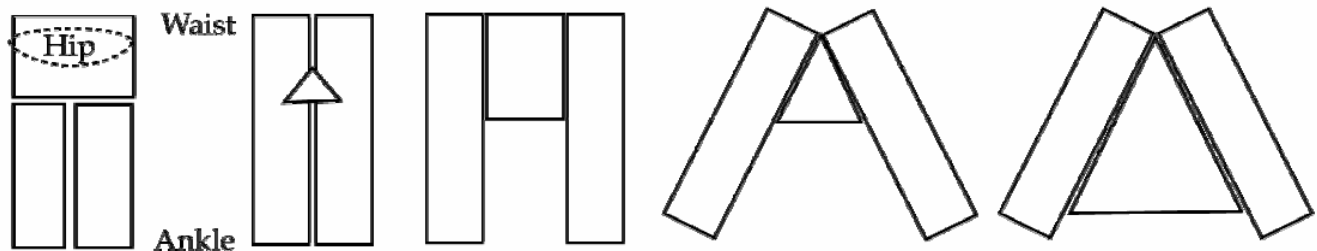
Ethnic clothes are generally very simple in structure. When months have been spent weaving a length of fabric it is important that none of it is wasted.

With the help of actual garments, this presentation will explore the simple geometry developed over the centuries by Asian tailors to make trousers without measurements. They discovered ways of cutting and structuring fabric with extraordinary economy to achieve maximum effect with minimum waste; a valuable attribute today.

These techniques are useful for the teaching of geometry and proportion without the perils of number.



Illustrations © Penelope Woolfitt



All welcome. No registration or ticket required, but an email to lkl.maths.art@gmail.com is appreciated to assist with planning.

LKL Maths-Art seminar series

Website and archive: www.lkl.ac.uk/events/maths-art

This seminar is part of a regular series of maths-art seminars held at the London Knowledge Lab, usually on the second Tuesday of each month during term times. To receive email announcements about events, subscribe to the mailing list at www.dcs.bbk.ac.uk/mailman/listinfo/lkl-maths-art.

We propose these seminars as explorations of the connections between "mathematics" and "art", where both terms are understood broadly: art implies visual art (painting, drawing, sculpture, computer graphics, video), architecture, music, textile art, literature/poetry (and others), and mathematics implies both mathematics as a discipline and the related disciplines in science and engineering for which mathematics is an essential means of expression and communication.

Next seminars: **13th May**, [Speaker TBC]; **10th June**, Brian Wichmann, "How to find a tiling pattern"

Seminars are normally video-recorded for viewing on the website.

The seminar organisers are John Sharp and Phillip Kent. We welcome your suggestions about speakers or topics for future seminars; email us at lkl.maths.art@gmail.com.

Getting to the London Knowledge Lab

Nearest tube stations are: Holborn (Central, Piccadilly lines), Russell Square (Piccadilly line). Approximately 10-15 minutes walk from either station.

