

Overview		
1	17.10.2019	Introduction – Model typologies
2	24.10.2019	Models for remembering
3	31.10.2019	Models as templates / references / standards
4	7.11.2019	Modelling as designing / form finding process / experimenting / sketching / prototyping
5	14.11.2019	Modelling as presenting / persuading / transmitting ideas
6	21.11.2019	Modelling as copying / replicating / reproducing
7	28.11.2019	Modelling in fabrication processes
8	5.12.2019	Modelling as scaling activity
9	12.12.2019	Modelling as radically hybrid activity
10	19.12.2019	Modelling for cultivating of utopias
11	9.1.2020	Models as scientific results and publications
12	16.1.2020	Iconic models
13	23.1.2020	Meta models
14	30.1.2020	Model situations for training / learning
15	6.2.2020	Magic Week
	21.2.2020	Written exam

General information:

- **Get the material!**

_ Shortly after each session, you find the slides for this lecture online:

<http://kq.ikb.kit.edu/2203.php#block2209>

For that you need a access: U: **Modellieren** P: **Modelling**

- **Meet the prof!**

_ My consultation hours are thursdays noon (12 am)

_ please find the appointment with Helga Lechner (secretary) and let her know your main request: helga.lechner@kit.edu

- **Meet the requirements!**

_ please be present – there is no script as the lecture is developed on the fly.

No chance to draw the content solely from the slides

_ written exam after the end of the semester

_ students from other universities who need separate certificates, please let me know so that we can find a solution together

FAQ written exam

It consists of ...

- ... checking facts: questions to facts that were presented during the lectures, spread throughout the semester
- ... thinking creatively: Some overarching questions where you can show that you reflected the content and are able to see parallels and oppositions
- ... connecting text-image: One more detailed description
- You can write the exam in **English or German** – as you prefer!

Suggestion for the preparation:

Help each other, form groups: in case someone cannot attend a lecture, ask your peers (sometimes chocolate helps) for their scripts. You may generally want to exchange your scripts: comparing them helps filling in gaps.



What *type* of model do you produce?



What *type***S** of models do you produce?



Zweckbilder
Gebrauchsbilder
instrumentelle Bilder

functional images
utility images
instrumental images

Einwegbilder

Inge Hinterwaldner, Michael Hagner, Vera Wolff (Hg.)



Inge Hinterwaldner/Michael Hagner/Vera Wolff (ed.): Einwegbilder, Wilhelm Fink Verlag: Munich 2016.



Berlin 2013.



Graffiti in an urban area, Paris 2013.



TU Delft in the Netherlands – View of the Model Room.

Typologies of architectural models I

Ludwig Heinrich Heydenreich's typology follows various purposes of architectural models:

I. eigentliche Entwurfsmodelle

II. Modelle n. gebauten Architekturen

- Kontrollmodelle
- Lehrmodelle
- Erinnerungsmodelle
- Stadtmodelle
- Motiv- und Stiftermodelle

III. Idealmodelle

I. design models proper (overall or detail(ed) models), in order to illustrate a planned building.

II. models after built architectures:

- control models: entities in order to illustrate the construction
- teaching models: didactic patterns / types
- documentary / commemorative models: of buildings destined to be demolished
- city models: city map in 3D
- votive models or patron's models: depiction of a real or an ideal building

III. ideal models: various forms of phantasy models

→ Heydenreich, Ludwig Heinrich: Architekturmodell, in: Schmitt, O. (ed.): Reallexikon zur deutschen Kunstgeschichte, Vol. 1, Stuttgart 1937, Sp. 918-940.

→ Ronzoni, Luigi A.: Altarmodelle. Überlegungen und Beobachtungen zu einer Sonderform von Architekturmodellen, in: Krapf, Michael/Österreichische Galerie Belvedere Wien (ed.): Triumph der Phantasie. Barocke Modelle von Hildebrandt bis Mollinarolo, Böhlau: Wien 1998, pp. 27-37; here: p. 28.

Typologies of architectural models II

- | | |
|------------------------------------|---------------------------------|
| - Präsentationsmodelle | presentation models |
| - Studienmodelle | study models |
| - Detailmodelle | detail models |
| - Konstruktionsmodelle | construction models |
| - Status-quo-Modelle | status-quo-models |
| - technisch-experimentelle Modelle | technically experimental models |

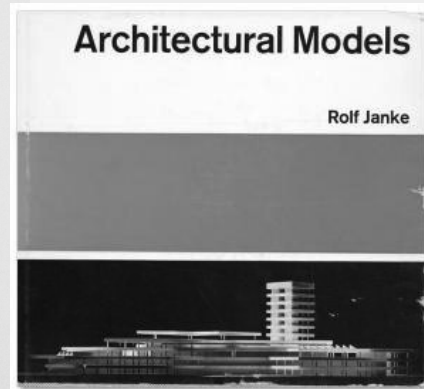
→ Tieskens, R. W., et al.: Het kleine Bouwen. 4 eewen maquettes in Nederland, Utrecht 1983.

- | | |
|------------------------|---------------------|
| - Studienmodelle | study models |
| - Präsentationsmodelle | presentation models |
| - Wettbewerbsmodelle | competition models |
| - Arbeitsmodelle | working models |
- Millon, H. A.: Italienische Architekturmodelle im 16. Jahrhundert, in: Architekturmodelle, ex.cat. 1995, p. 26.

- | | |
|--------------------------|----------------------|
| - städtebauliche Modelle | town-planning models |
| - Gebäudemodelle | building models |
| - Konstruktionsmodelle | construction models |
| - Detailmodelle | detail models |
| - Innenraummodelle | interior models |
| - Sondermodelle | special models |

→ Janke, Rolf: Architectural Models, London/Stuttgart 1978.

Typologies of architectural models II



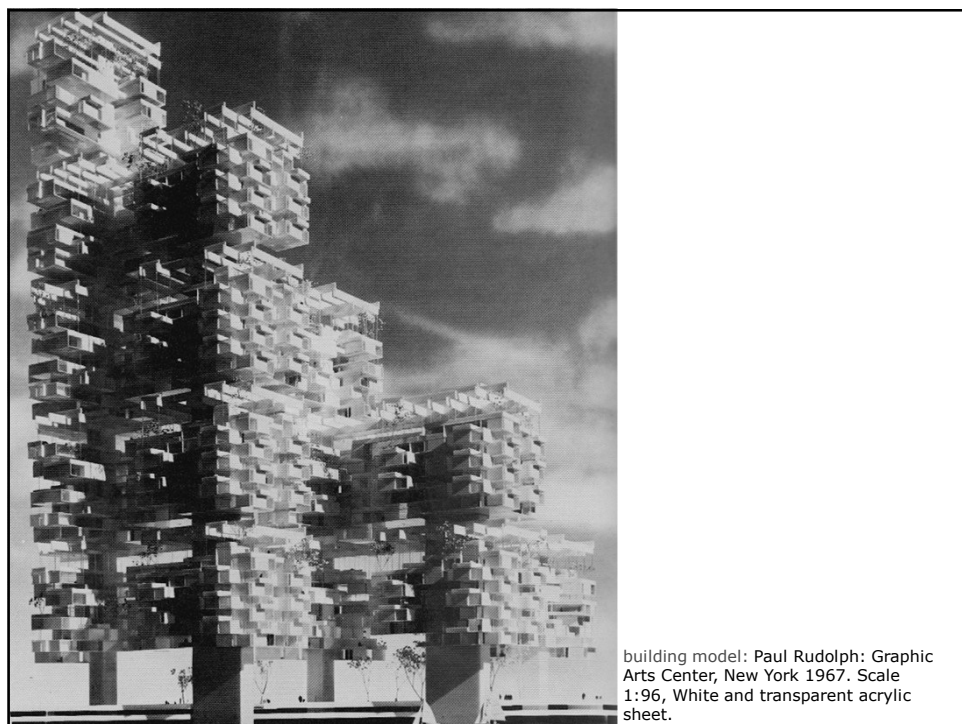
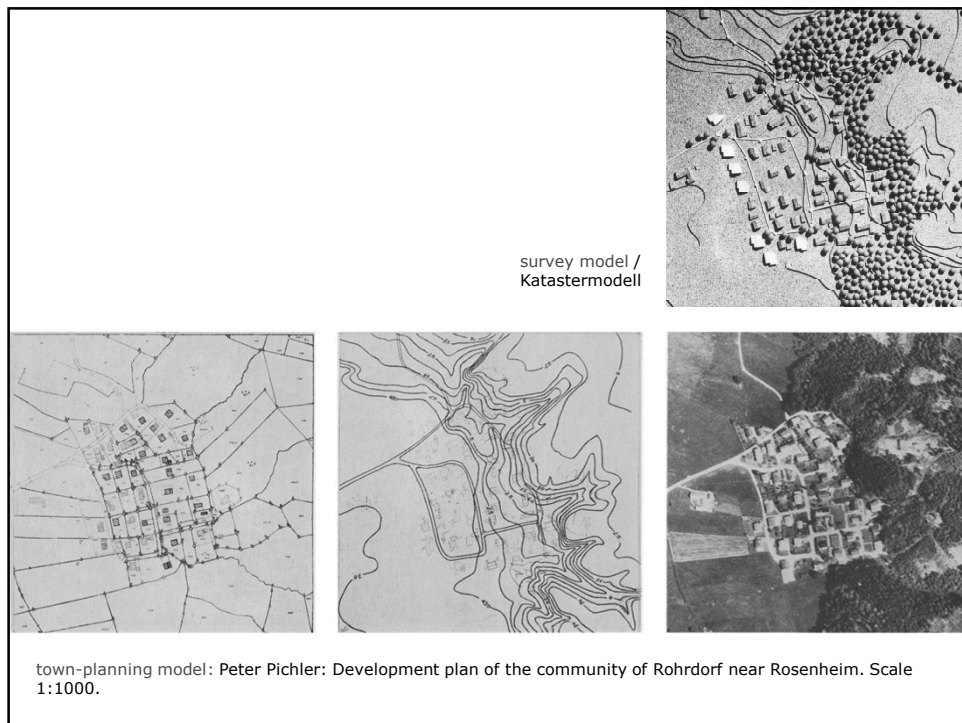
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- Gebäudemodelle
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- Detailmodelle
- Innenraummodelle
- Sondermodelle

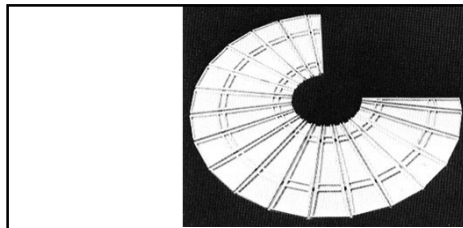
- town-planning models
- building models
- construction models
- detail models
- interior models
- special models

→ Janke, Rolf: Architectural Models, London/Stuttgart 1978.

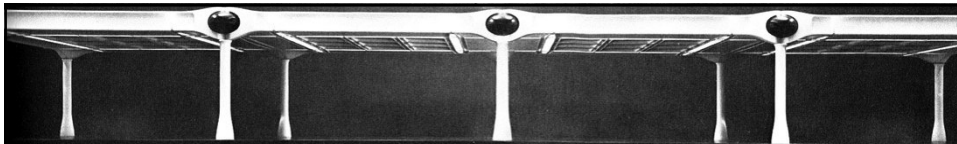
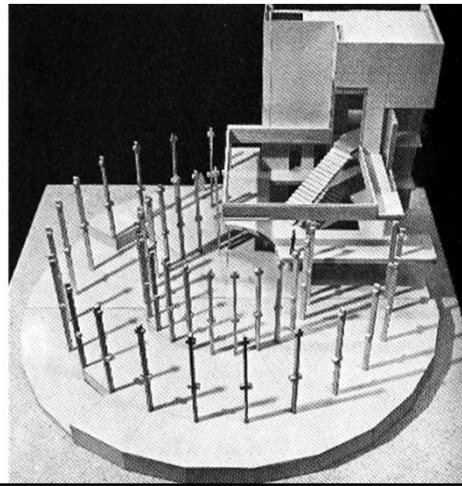
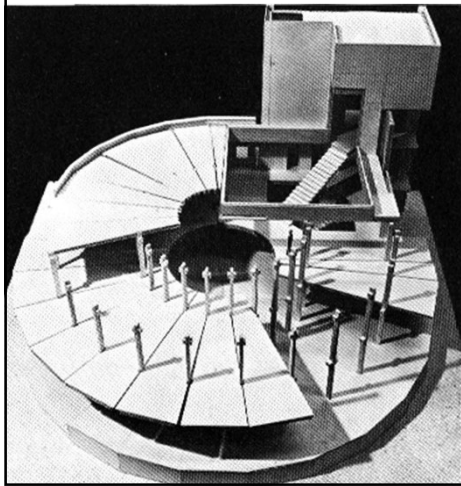


town-planning model: J. B. Seitz: Contemporary model of the town of Munich, 1846-68. Scale 1:700. Lime wood.

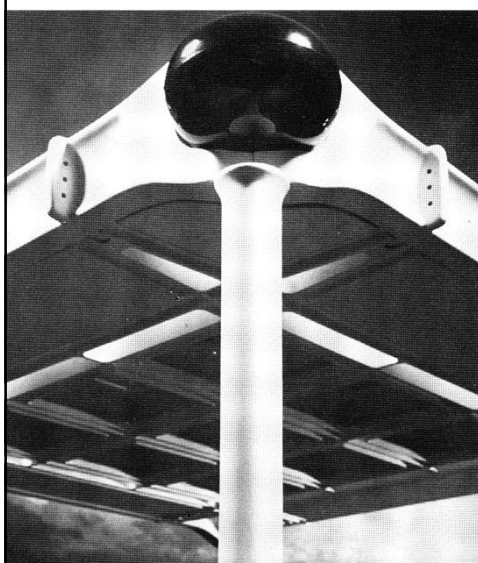




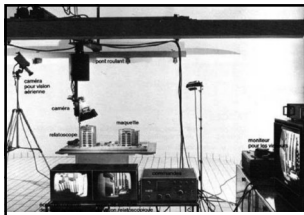
construction model: Gustav Peichl: ORF stations in Linz, Salzburg, Innsbruck and Dornbirn, 1969, 1972. Scale 1:33



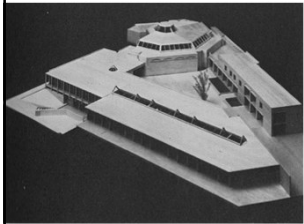
Photographically mirrored detail model.



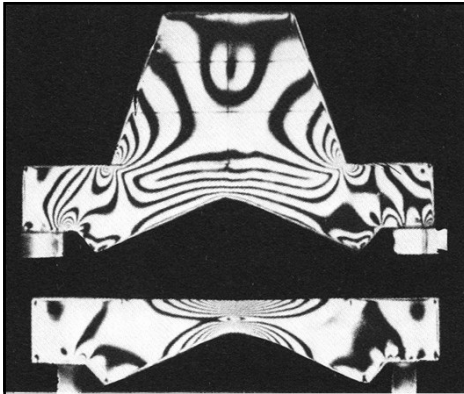
detail model: Angelo Mangiarotti, Enrico Bona, Tono Morganti: PREFAB building system, 1974. Scale 1:50. Wood and acrylic sheet, painted.



Dispositif of a relatroscope.



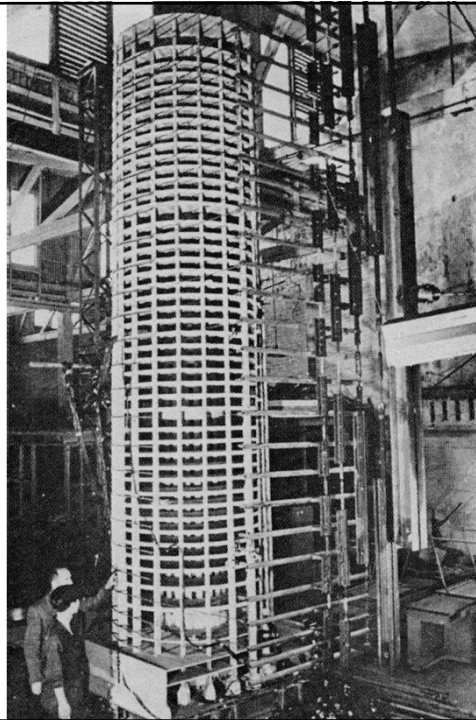
interior model: Gerhard Haisch: Parish centre St. Stephan, Munich 1975, 1977. Scale 1:50. Base in plywood, construction of building in balsa wood.

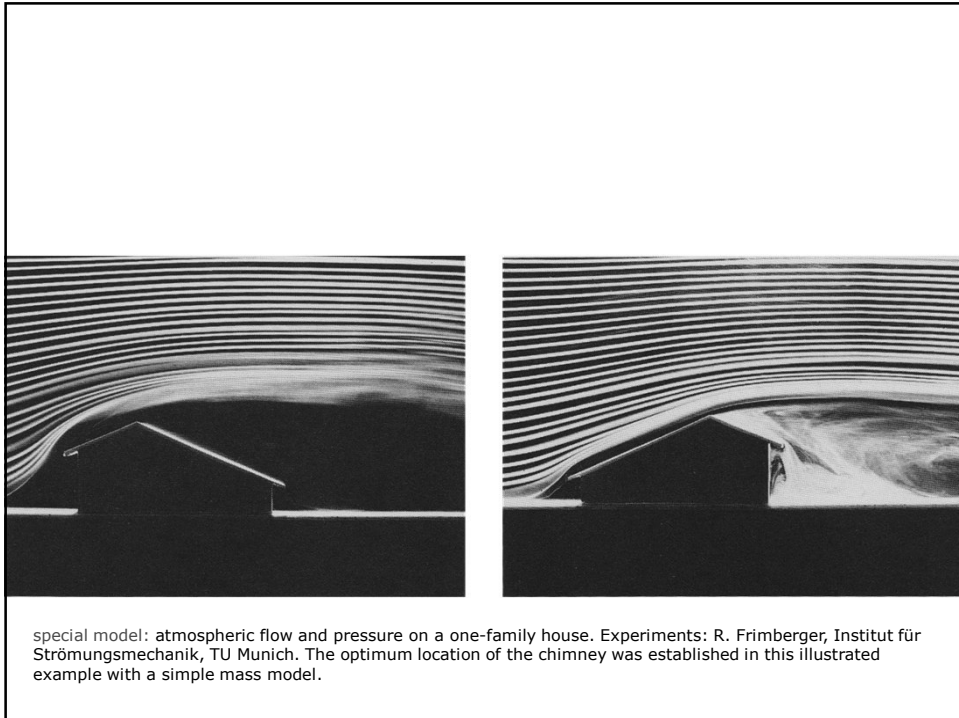


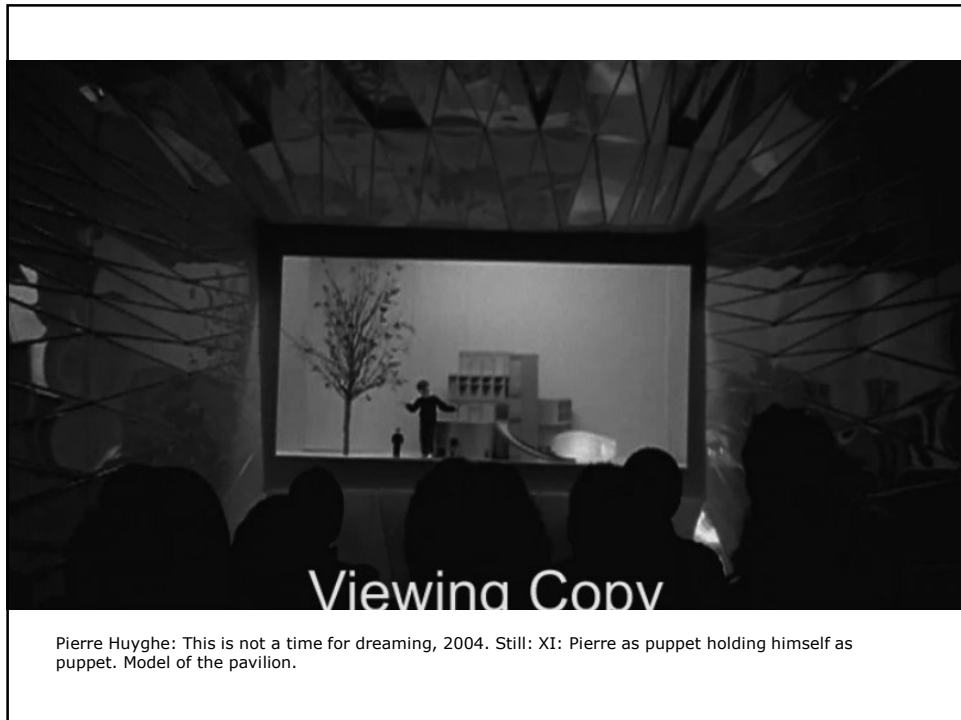
Investigating stresses optically with polarized light.

special model

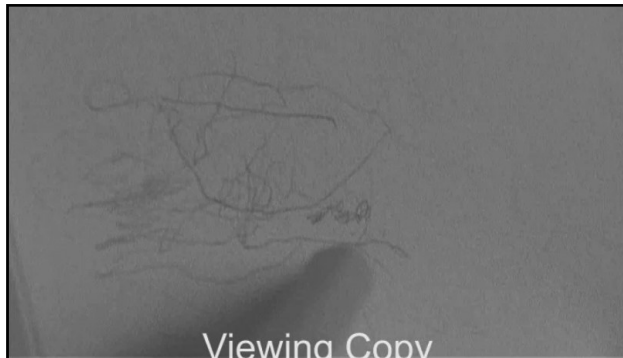
Harry Seidler: Australia Square Tower, Sydney. Wind tunnel model.







Le Corbusier: Carpenter Center
at Harvard Campus , 1963.

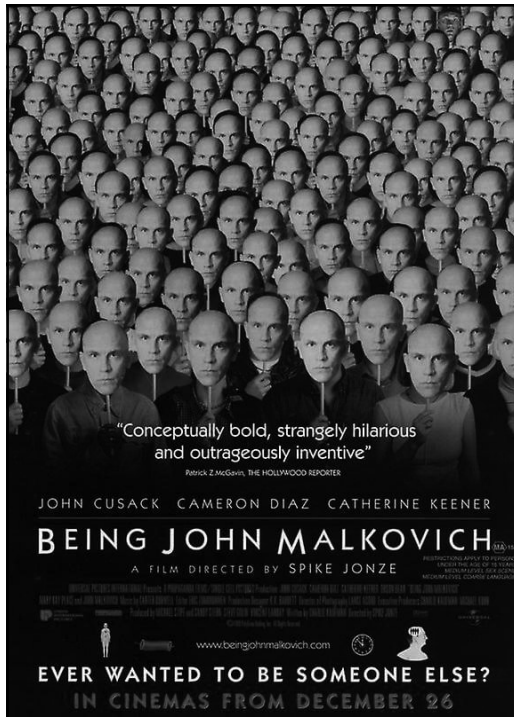


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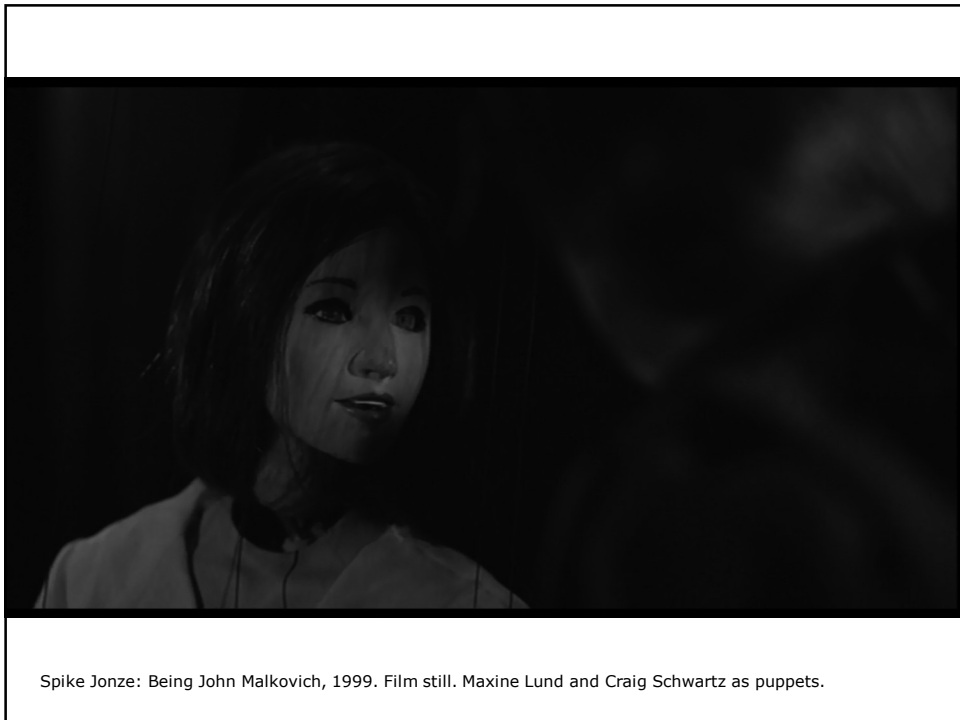


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Pierre Huyghe: This is not a time for dreaming, 2004. Still: III: Le Corbusier is sketching.



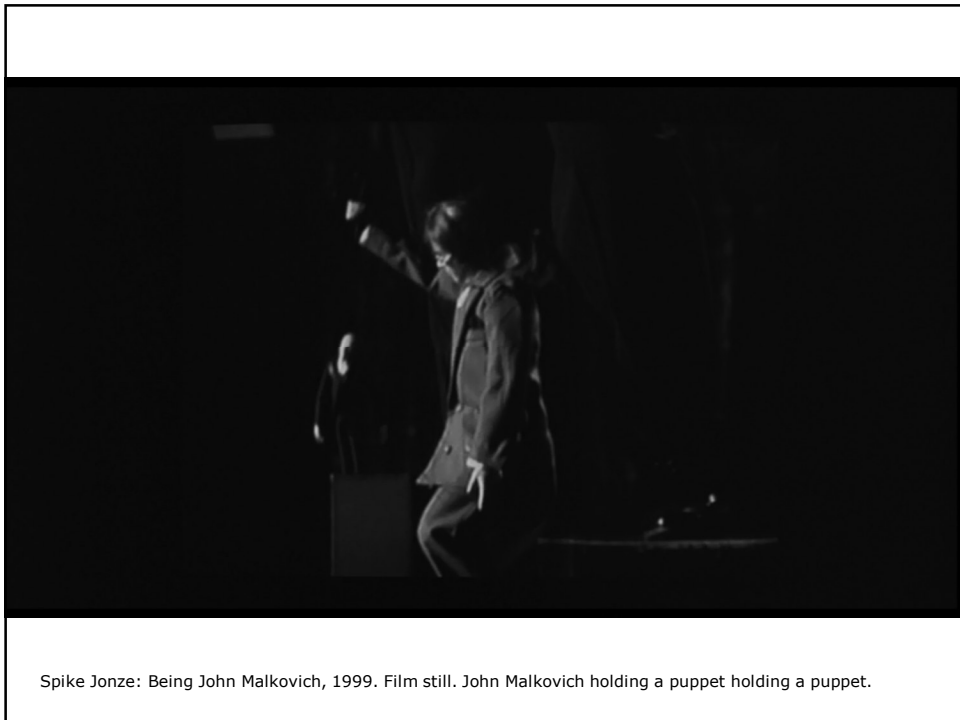
Spike Jonze: Being John Malkovich, USA 1999. Drama/Fantasy, 1h 53m



Spike Jonze: Being John Malkovich, 1999. Film still. Maxine Lund and Craig Schwartz as puppets.



Pierre Huyghe: This is not a time for dreaming, 2004. Still showing the curator Linda Norden.



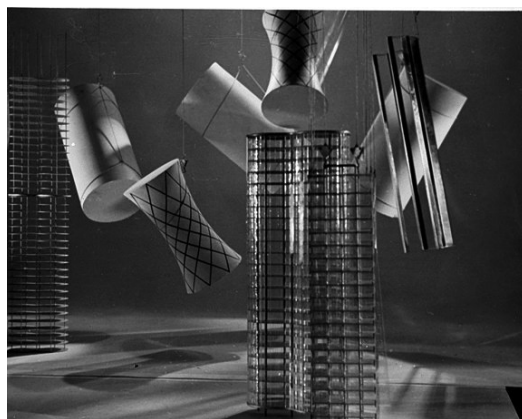
Pierre Huyghe: This is not a time for dreaming, 2004. Still: XI: Pierre as puppet holding himself as puppet. Model of the pavilion.



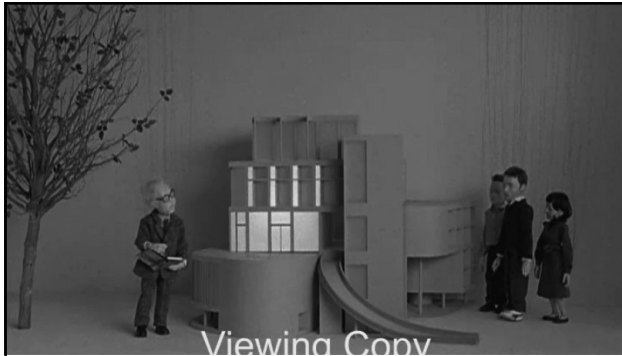
Pierre Huyghe: This is not a time for dreaming, 2004. Architect is rendered in a semitransparent way.



Pierre Huyghe: This is not a time for dreaming, 2004. Photograph: IV: Le Corbusier's "mannerist dream".



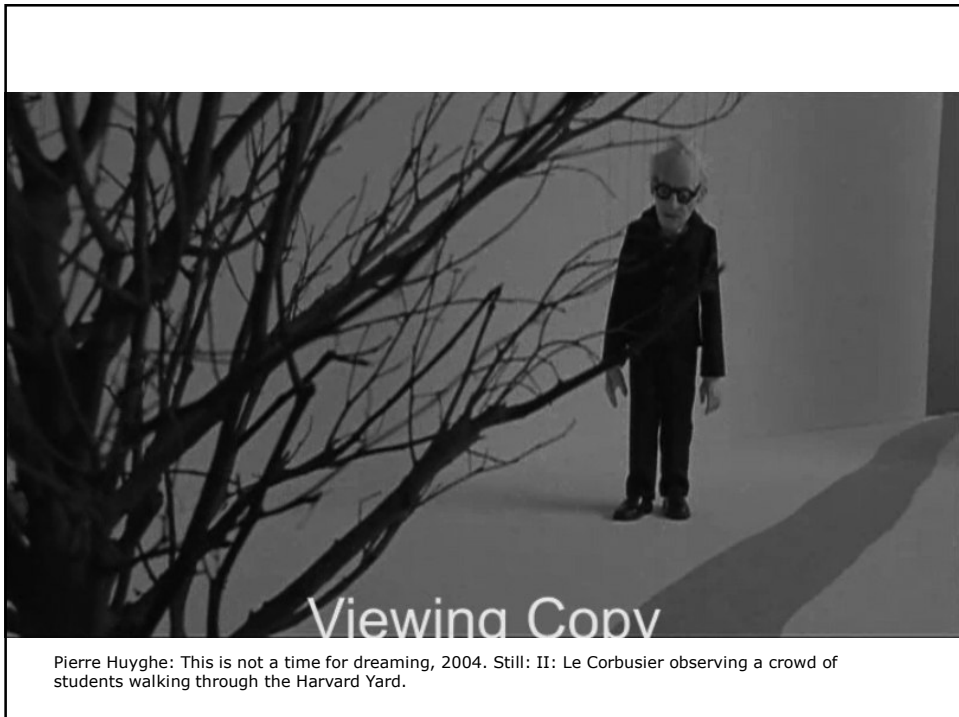
László Moholy-Nagy: Photograph of a scenery planned for G. H. Wells' film "Things to come", 1936.



Pierre Huyghe: This is not a time for dreaming, 2004. Still: XI: Pierre and Mr. Sekler.



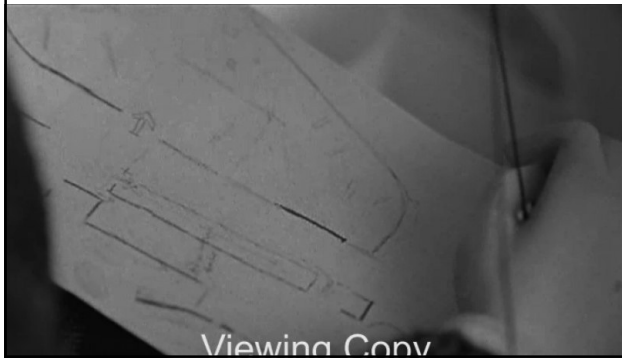
Eduard F. Sekler, William Curtis: Le Corbusier at Work. The Genesis of the Carpenter Center for Visual Arts, Cambridge 1978.



Pierre Huyghe: This is not a time for dreaming, 2004. Still: II: Le Corbusier observing a crowd of students walking through the Harvard Yard.

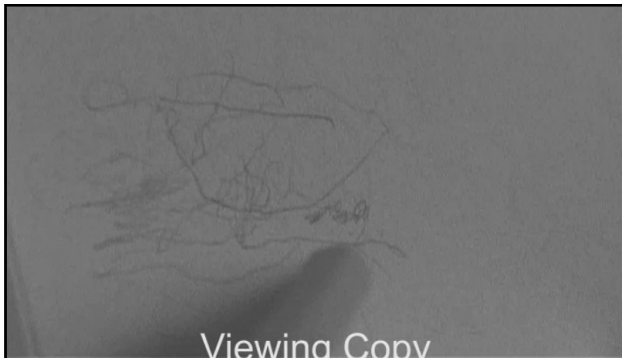


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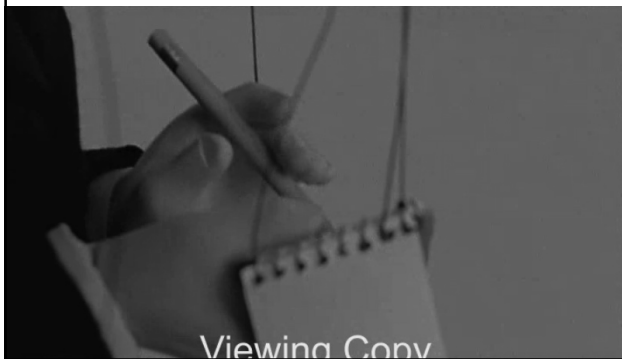


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Pierre Huyghe: This is not a time for dreaming, 2004. Still: III: Pierre in the Harvard archive.



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Pierre Huyghe: This is not a time for dreaming, 2004. Still: III: Le Corbusier is sketching.

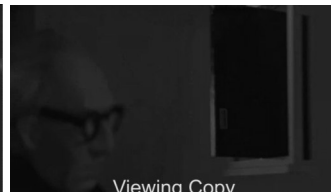


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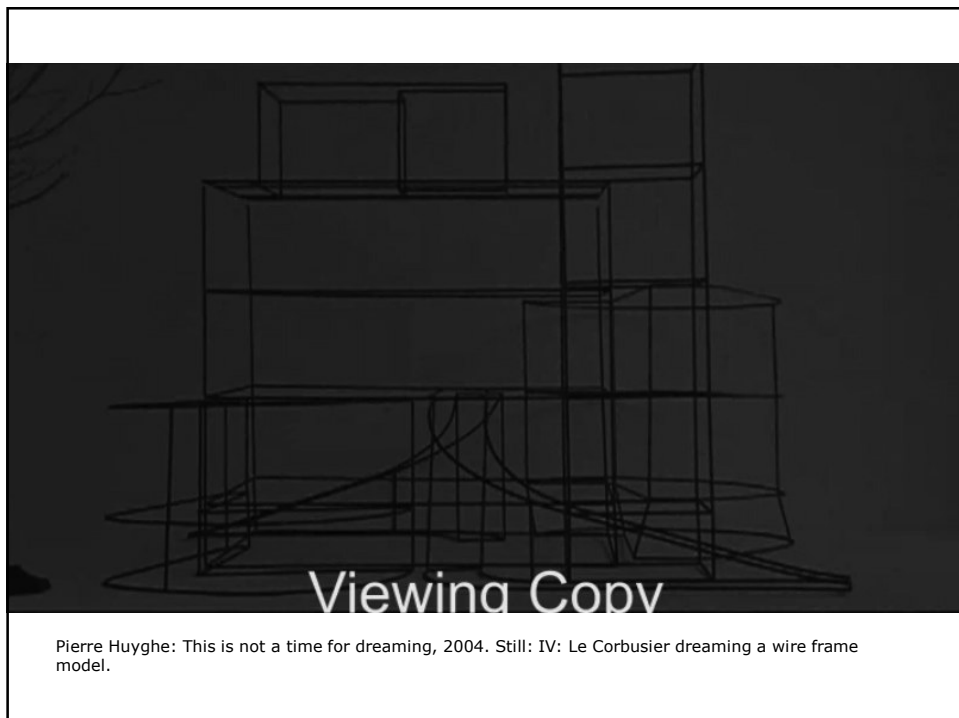
Pierre Huyghe: This is not a time for dreaming, 2004. Still: IV: Le Corbusier's "mannerist dream".



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Pierre Huyghe: This is not a time for dreaming, 2004. Still: IV: Le Corbusier dreaming a wire frame model.