

GLOBO

Luiz Velho
IMPA

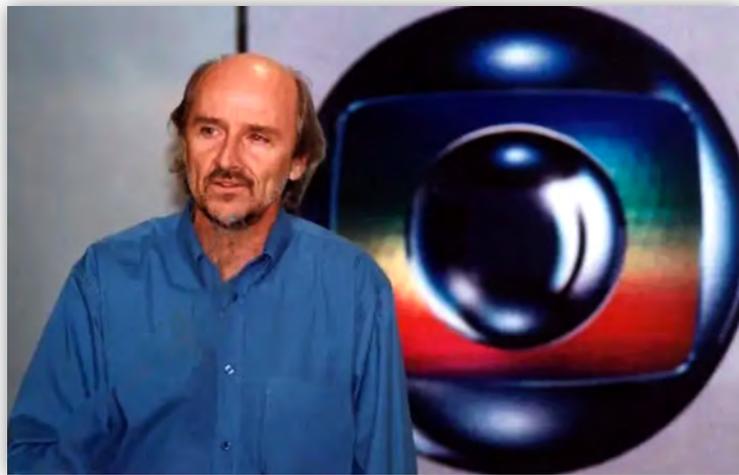
Timeline

- TV Globo
- NYIT
- PDI
- GLOBOGRAPH
- IMPA

TV Globo

Hans Donner

- The Wizard of CGI ?

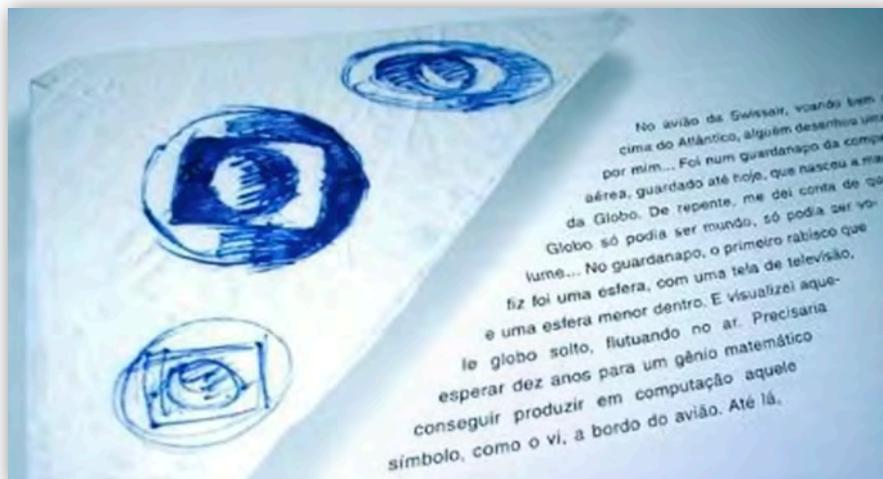


Plim-Plim !



Globo TV Logo

- In the back of a Napkin



No avião da Swissair, voando bem
cima do Atlântico, alguém desenhava uma
por mim... Foi num guardanapo da compan-
hia aérea, guardado até hoje, que nasceu a marca
da Globo. De repente, me dei conta de que
Globo só podia ser mundo, só podia ser vo-
lume... No guardanapo, o primeiro rabisco que
fiz foi uma esfera, com uma tela de televisão,
e uma esfera menor dentro. E visualizei aque-
le globo solto, flutuando no ar. Precisar-
ia esperar dez anos para um gênio matemático
conseguir produzir em computação aquele
símbolo, como o vi, a bordo do avião. Até lá,

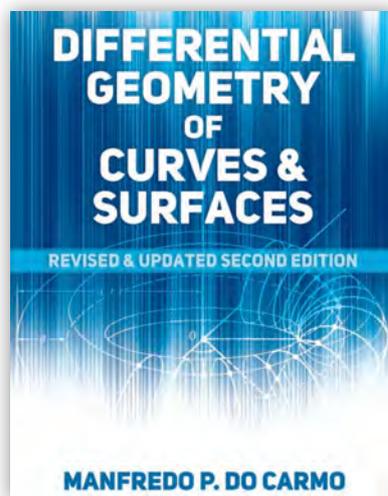
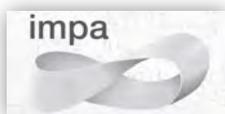
A Revelation

- Strange Connections



The Book

- O pai da Geometria Diferencial no Brasil



*Manfred do Carmo
(1928-2018)*

NYIT

Back to Ground Zero

- The First CGI

1981-1983



DESIGNER: Hans Donner

TYPOGRAPHY: None

LAUNCHED: April 1981

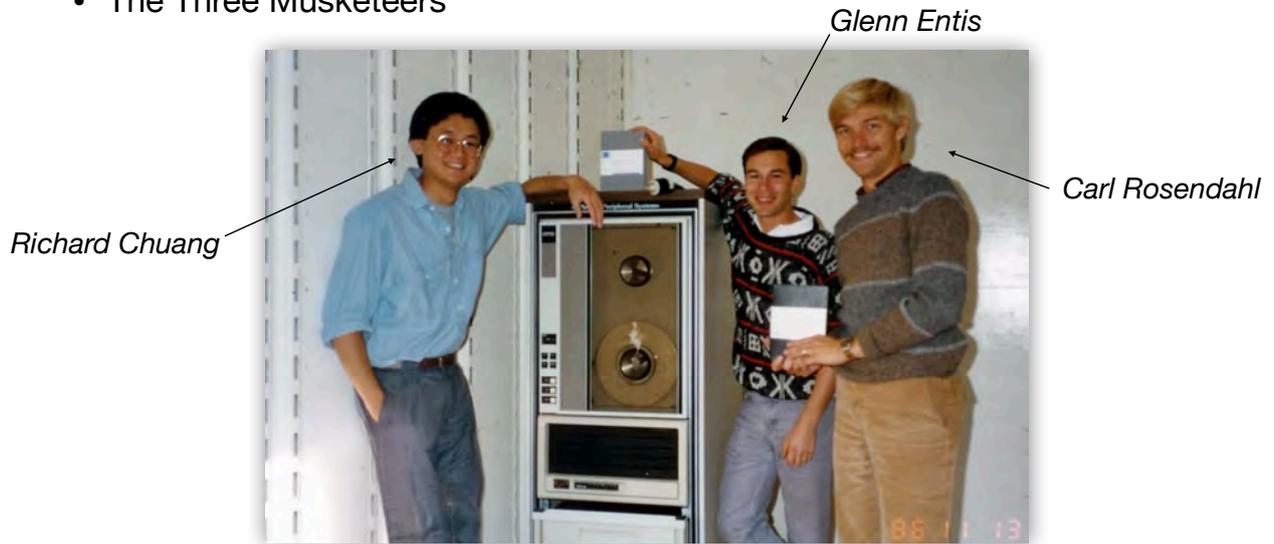
In April 1981, the Globo logo was given a 3D metal texture. The idents shown during the period were animated by the Computer Graphics Lab at NYIT

PDI

4

Founding Kids

- The Three Musketeers



DEC PDP 11/44

PDI Historical Compilation

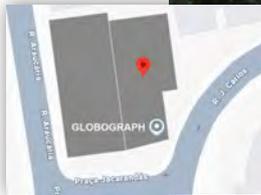
- 10th Anniversary Demo Reel



GLOBOGRAPH

Rua J. Carlos, 101

- Globo Computer Graphics Headquarters



Kool & the Gang

- Group Photo



The Hardware

- VAX 11 / 750



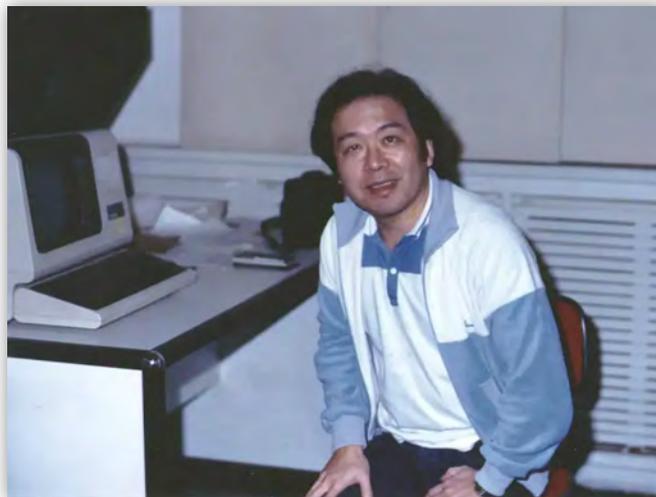
The Designers

- Has Donner and Ruth Reis



Master Animator

- Robertinho Shimose



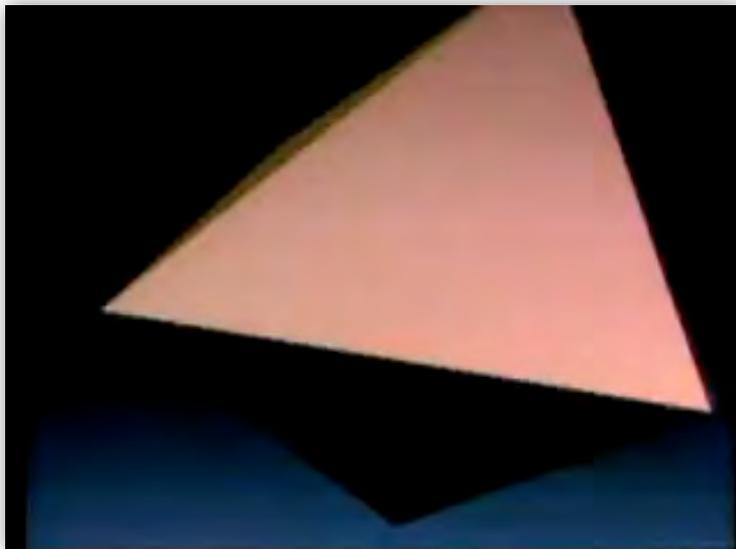
Jornal Nacional

- Abertura Jornal Nacional - Rede Globo (1989)



É Fantastico !

- SIGGRAPH Electronic Theater (1983)



R&D @ Globo

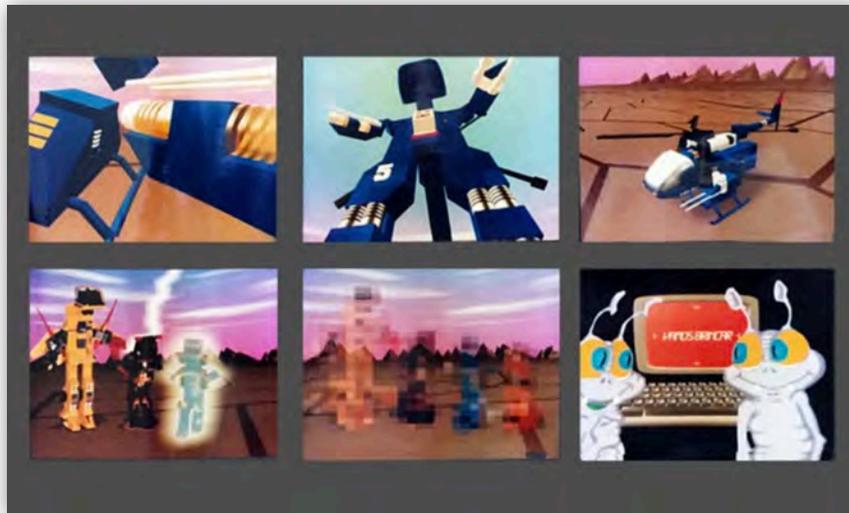
Metaball

- Animated Blobs



VFX / Animation

- Roblock



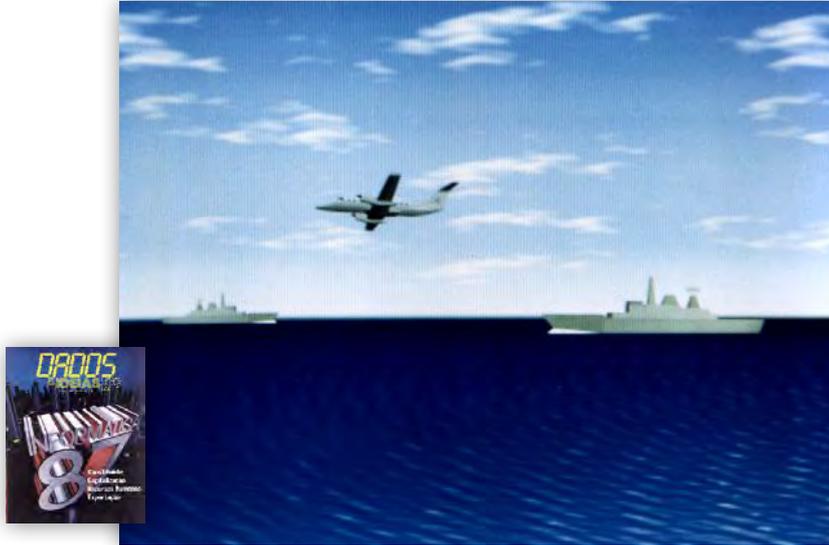
Ray Tracing / Texturing

- Picture Perfect



Visual Simulation

- Brazilian Navy Periscope Simulator



Great Collaborators

- With my dear friend Lance Williams at SIGGRAPH 2016



IMPA

Estrada Dona Castorina, 110

- Computational Applied Mathematics for New Media



The Lab

- Visual Computing



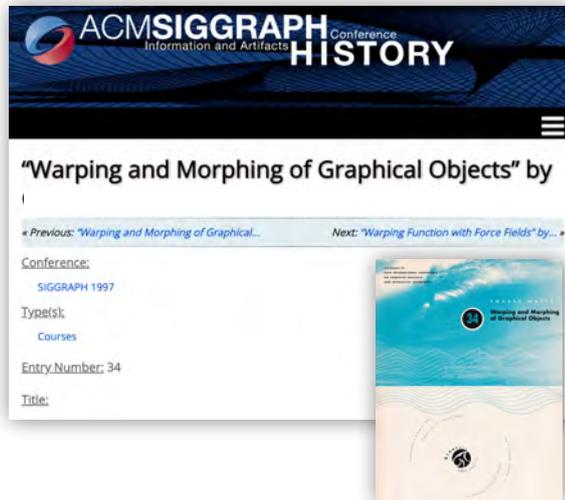
Early Years

- Globo Ciência (2011)



A Bit of History

- SIGGRAPH Tutorial Course (1997)

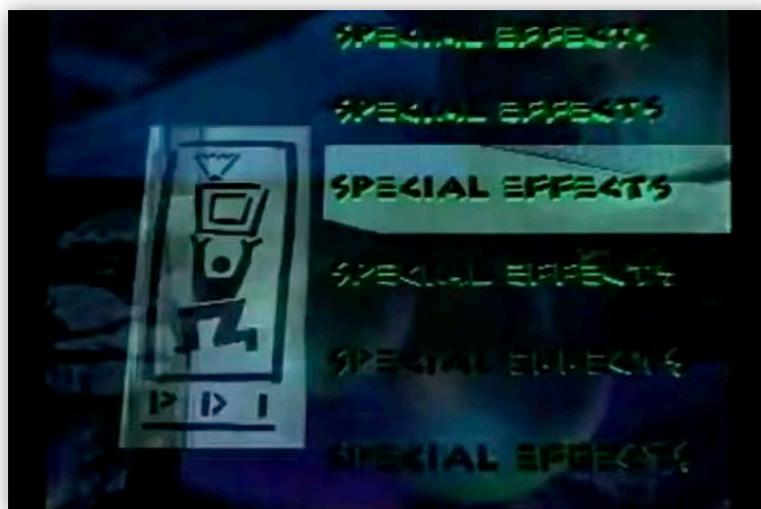


Presenter(s)

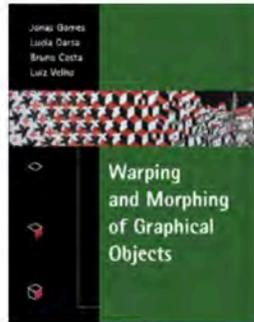
Jonas Gomes (IMPA)
John Andrew Berton Jr. (ILM)
Bruno Costa (IMPA)
Lucia Darsa (IMPA)
Luiz Velho (IMPA)
Thaddeus Beier (PDI)

The Clip

- Michael Jackson's *Black or White* morphing sequence



The Book



Companion CD

Warping and Morphing of Graphical Objects

Jonas Gomes
Lucia Darsa
Bruno Costa
Luiz Velho

Morgan Kaufmann Publishers

Table of Contents

Book Reviews

This book can be purchased on the internet:
Amazon Books, Barnes and Noble

“That’s all folks!”