



IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Abramo Hefez - Universidade Federal Fluminense**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Adriana Rodrigues da Silva - Universidade Federal de Uberlândia**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Alan Gerardo Reyes Figueroa** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Aldi Nestor de Souza - Universidade Federal do Mato Grosso - Cuiabá**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Alejandro Simarra Cañate** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Aron Simis - Universidade Federal de Pernambuco**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Bárbara Costa da Silva - Universidade Federal Rural de Pernambuco**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Beatriz Casulari da Motta Ribeiro - Universidade Federal de Juiz de Fora**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Benjamim Pereira da Costa Júnior** - Universidade Federal da Bahia, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Bernd Ulrich - Purdue University**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Brian Osserman - University of California at Davis**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Carlos D'Andrea - Universitat de Barcelonao**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Carlos Eduardo Nogueira Bahiano** - **Universidade Federal da Bahia**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Cecilia Salgado - Universidade Federal do Rio de Janeiro**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Cícero Fernandes de Carvalho - Universidade Federal de Uberlândia**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Cirilo Gonçalves Junior - Universidade Federal de Uberlândia**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Claudio Cesar Saccomori Junior - Universidade Federal do Rio de Janeiro**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Renato Vidal da Silva Martins - Universidade Federal de Minas Gerais**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Riane Aparecida da Silva Mélo - Universidade Federal de Minas Gerais**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Rick Antonio Rischter - Universidade Federal de Itajubá**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Roberto Callejas Bedregal** - Universidade Federal da Paraiba - João Pessoa, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Rodrigo Salomão - Universidade Federal Fluminense**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Roshan Tajarod - Institute for Studies In Theoretical Physics and Mathematicso**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Saeed Tafazolian** - **IMECCo**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Dan Avritzer** - **Universidade Federal de Minas Gerais**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Divane Aparecida de Moraes Dantas - Universidade Federal de Minas Gerais**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Éden Santana Campos Amorim - Universidade Federal de Ouro Preto**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Edilaine Ervilha Nobili** - **Universidade Federal do Rio de Janeiro**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Eduardo Esteves** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Fabricio Alves Oliveira - Universidade Federal de Uberlândia**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Fernando Antonio Xavier de Souza** - Universidade Federal da Paraíba - João Pessoa, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Fernando Nera Lenarduzzi** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Flavio Ferreira da Rocha** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Frederico Sercio Feitosa** - Universidade Federal de Juiz de Fora, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Gabriel Araujo Guedes** - **Universidade Federal de Pernambuco**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Gabriel Tavares Bujokas - Harvard University**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Grégory Duran Cunha - Universidade Federal de Uberlândia**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Hugo Leonardo de Andrade Guimarães** - Universidade Federal de Pernambuco, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Ítalo Dowell Lira Melo** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Jan Oddvar Kleppe - Oslo University**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Jefferson Ribeiro Nogueira** - **Universidade Federal Fluminense**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Jorge Alberto Coripaco Huarcaya** - **Inst. de Ciências Matemáticas e de Computação**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Jorge Nicolás Caro Montoya** - **Universidade Federal de Pernambuco**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Jorge Vitório Bacellar dos Santos Pereira** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **José Augusto Molina Garay** - Universidade Federal do Rio de Janeiro, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Jose Eduardo Moura Garcez - Universidade Federal do Cearo**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Jose J Ramon Mari - Institute of Technology Traleeo**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Leandro Aguiar Fernandes** - **Universidade Federal Rural do Rio de Janeiro**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Letterio Gatto - Politecnico di Torino**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Lia Feital Fusaro Abrantes - Universidade Federal de Minas Gerais**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Luciane Quoos - Universidade Federal do Rio de Janeiro**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Maral Mostafazadehfard - Universidade Federal de Pernambuco**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Marcelo José Saia - Inst. Ciên. Matemática e Comp. de São Carlos**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Marco Pacini - Universidade Federal Fluminense**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Maria Vaz Pinto - Instituto Superior Técnico- Universidade Técnica de Lisboa**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Mauro Fernando Hernandez Iglesias - Universidade Federal Fluminense**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Mihai Halic - King Fahd University of Petroleum & Minerals**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Miriam Abdon - Universidade Federal Fluminense**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Napoleón Caro Tuesta - Universidade Federal da Paraíba - João Pessoa**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Neila Mara Gomes - Universidade Federal de Minas Gerais**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Nivaldo Nunes de Medeiros Junior** - **Universidade Federal Fluminense**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Oliver Lorscheid - Instituto de Matematica Pura e Aplicadao**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Parham Salehyan - Universidade Estadual Paulista - São José do Rio Preto**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Pedro Hernandez Rizzo** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Peter Petrov - Inst. de Ciências Matemáticas e de Computação**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Ragni Piene - Oslo University**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Severino Collier Coutinho** - **Universidade Federal do Rio de Janeiro**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Seyed Hamid Hassanzadeh Hafshejani** - **Universidade Federal de Pernambuco**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Sotiris Karanikolopoulos** - F. u. Berlino, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Steven L Kleiman - Massachusetts Institute of Technology**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Thiago Fassarella do Amaral - Universidade Federal Fluminense**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Tiago Duque Marques - Universidade Federal de Pernambuco**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Valmecir Antonio dos Santos Bayer - Universidade Federal do Espirito Santoo**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Víctor Arturo Martínez León** - Instituto de Matematica Pura e Aplicadao, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of





IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

Dedicated to Steven Kleiman and Aron Simis
on the occasion of their 70th birthdays

12th ALGA Meeting

CERTIFICATE

We hereby certify that, **Wanderson Costa e Silva - Instituto de Matematica Pura e Aplicadao**, participated in the 12th ALGA Meeting - Dedicated to Steven Kleiman and Aron Simis on the occasion of their 70th birthdays held at IMPA, Rio de Janeiro - RJ, from August 13 to 17, 2012.

Rio de Janeiro, August 17, 2012.

Eduardo Esteves

Organizing Committee

Support



An Activity of

