

XIX School on Differential Geometry

Escola Brasileira de Geometria Diferencial

IMPA, Rio de Janeiro, Brazil

July 18 - 22, 2016



CERTIFICATE

We hereby certify that, ***Abraão Caetano Mendes***, **Universidade Federal do Amazonas**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**On weak form of Peano's theorem in the infinite-dimensional case**”.

Rio de Janeiro, July 24th, 2016

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CERTIFICATE

We hereby certify that, **Adrian Vinícius Castro Ribeiro**, Universidade Federal do Amazonas, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Rigidez de Hipersuperfícies Mínimas de Esferas com Curvatura de Ricci Constante**”.

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CERTIFICATE

We hereby certify that, **Adriana Araujo Cintra**, **Universidade Federal de Goiás-Jataí**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Minimal surfaces in 4-dimensional Lorentzian Damek-Ricci spaces**”.

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CERTIFICATE

We hereby certify that, **Aline Zanardini**, **Universidade Federal do Paraná**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Characteristic Classes Associated to Dirac Structures**”.

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CERTIFICATE

We hereby certify that, **Antonio Airton Freitas Filho**, **Universidade Federal do Amazonas**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**On the construction of gradient Ricci soliton warped product**”.

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CERTIFICATE

We hereby certify that, ***Antonio Wilson Rodrigues da Cunha***, **Universidade Federal do Piauí**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: **“Estimates of the first Steklov eigenvalue of properly embedded minimal hypersurface with free boundary”**.

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CERTIFICATE

We hereby certify that, ***Apoenã Passos Passamani***, **Universidade Federal do Espírito Santo**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**On the biharmonic curves in the special linear group $SL(2, \mathbb{R})$** ”.

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CERTIFICATE

We hereby certify that, ***Benedito Leandro Neto***, Universidade Federal do Oeste da Bahia, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Generalized Quasi-Einstein Manifolds with Harmonic Anti-Self Dual Weyl Tensor**”.

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CERTIFICATE

We hereby certify that, **Carlos Jose Matheus**, **Universidade Estadual de Ponta Grossa**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Symplectic Geometry and Contact Structures**”.

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CERTIFICATE

We hereby certify that, ***Clebes do Nascimento Brandão***, **Universidade Federal do Amazonas**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: **“Convexity of the Non-Negative Sectional Curvatures Euclidean n -dimensional Hypersurfaces”**.

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CERTIFICATE

We hereby certify that, **Clément Maria**, **The University of Queensland**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Normal surfaces and polynomial computation of quantum invariants of 3-manifolds**”.

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CERTIFICATE

We hereby certify that, ***Eraldo Almeida Lima Júnior***, Universidade Federal da Paraíba - João Pessoa, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Maximal surfaces in certain Lorentzian products**”.

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CERTIFICATE

We hereby certify that, **Fábio Reis dos Santos**, **Universidade Federal de Campina Grande**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Rigidity of linear Weingarten hypersurfaces in locally symmetric manifolds**”.

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CERTIFICATE

We hereby certify that, ***Fernanda Alves Caixeta***, **Universidade Federal de Uberlândia - Campus do Pontal**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster:
“Superfície Mínima de Bour em E^3 : Uma interessante generalização”.

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CERTIFICATE

We hereby certify that, **Flávio França Cruz**, **Universidade Regional do Cariri**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**On the existence of radial graphs with constant scalar curvature**”.

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CERTIFICATE

We hereby certify that, **Guillermo Antonio Lobos**, **Universidade Federal de São Carlos**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Pseudo-Parallel Hypersurfaces Of $S^3 \times R$ and $H^3 \times R$** ”.

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CERTIFICATE

We hereby certify that, **Hudson Pina de Oliveira**, **Universidade de Brasilia**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Generalized Quasi Yamabe Gradient Solitons**”.

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CERTIFICATE

We hereby certify that, ***Israel de Sousa Evangelista***, **Universidade Federal do Piauí**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**On compact almost Ricci soliton with Cotton tensor identically zero**”.

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CERTIFICATE

We hereby certify that, **João Francisco da Silva Filho**, **Universidade da Integração Internacional da Lusofonia Afro-Brasileira**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Quasi-Einstein Manifolds Endowed with a Parallel Vector Field**”.

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CERTIFICATE

We hereby certify that, **José Nazareno Vieira Gomes**, **Universidade Federal do Amazonas**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Triviality of compact m-quasi-Einstein manifolds**”.

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CERTIFICATE

We hereby certify that, ***Juliana Ferreira Ribeiro de Miranda***, **Universidade Federal do Amazonas**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: **“Eigenvalue estimates for a class of elliptic differential operators in divergence form”**.

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CERTIFICATE

We hereby certify that, **Luiz Carlos Barbosa da Silva**, **Universidade Federal de Pernambuco**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: **“Characterization of Curves that Lie on a Surface in Euclidean Space”**.

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CERTIFICATE

We hereby certify that, **Lumena Paula de Jesus Borges**, **Universidade de Brasilia**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Curvas de Interseção entre duas Superfícies no Espaço de Lorentz-Minkowski**”.

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CERTIFICATE

We hereby certify that, **Marcos Paulo Tassi**, **Universidade Federal de São Carlos**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Pseudo-Parallel Hypersurfaces Of $S^3 \times R$ and $H^3 \times R$** ”.

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CERTIFICATE

We hereby certify that, ***Maria Rosilene Barroso dos Santos***, **Universidade Federal do Amazonas**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: **“First variation of the Hausdor measure of non-horizontal submanifolds in sub-Riemannian stratified Lie groups”**.

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CERTIFICATE

We hereby certify that, **Miriam Telichevesky**, **Universidade Federal do Rio Grande do Sul**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Minimal graphs over unbounded domains of Hadamard manifolds**”.

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CERTIFICATE

We hereby certify that, **Neilha Marcia Pinheiro**, **Universidade Federal do Ceará**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**An Alexandrov-Fenchel-Type inequality in S^n** ”.

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CERTIFICATE

We hereby certify that, **Patricia Kruse Klaser**, **Universidade Federal do Rio Grande do Sul**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Constant mean curvature surfaces in $H^2 \times R$ with boundary in two parallel planes**”.

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CERTIFICATE

We hereby certify that, **Rafael Jorge Pontes Diógenes**, **Universidade da Integração Internacional da Lusofonia Afro-Brasileira**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Four-Manifolds with Pinched Positive Sectional Curvature**”.

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CERTIFICATE

We hereby certify that, **Rodrigo Ristow Montes**, **Universidade Federal do Paraná**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Flat Contact Angle Surfaces in the Heisenberg Group H^3** ”.

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CERTIFICATE

We hereby certify that, **Sergey Agafonov**, **Universidade Estadual Paulista - São José do Rio Preto**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: **“Quasilinear systems with linearizable characteristic webs”**.

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CERTIFICATE

We hereby certify that, **Tarcísio Castro Silva, Universidade de Brasilia**, participated in the XIX School on Differential Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from June 18th to 22th, 2016 and presented the following poster: “**Third order differential equations and local isometric immersions of pseudospherical surfaces**”.

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