

E G E O 2 0 1 6

# VI Workshop Differential Geometry

La Falda, Sierras de Córdoba - Argentina



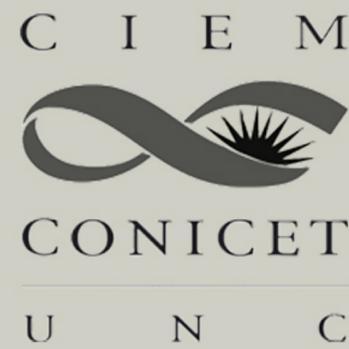
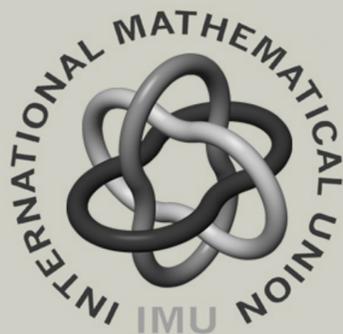
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$\text{ric}_g = cg + \mathcal{L}_X g \text{Sp}(p, q) / \text{Sp}(p) \text{Sp}(q)$   
 $\text{Sp}(n; \mathbb{R}) / \text{Sp}(1; \mathbb{R}) \times \text{Sp}(n-1; \mathbb{R})$   
 $W(p, q) (0 < p \leq q) L^\varepsilon(\text{Sp}^{p, q}) L(\mathbb{C}H^n) L(\mathbb{C}P^n)$   
 $\omega_{\mathbb{H}^n} = \omega_H \otimes g_V L(\mathbb{H}P^n) L(\mathbb{O}P^2) \mathfrak{g} = \mathbb{R}^n \rtimes \mathbb{R}^n$   
 $SU(2, m) / S(U(2) \times U(m)) \text{aff}(\mathbb{R}) \rtimes \text{aff}(\mathbb{R})$   
 $\mathbb{R}^2 \rtimes \text{aff}(\mathbb{R}) \text{Sp}(1, m) / \text{Sp}(1) \times \text{Sp}(m) H_{\bar{\delta}}^{*,*}(\mathfrak{g}^{\mathbb{C}})$   
 $SO(4, m) / SO(4) \times SO(m) \mathfrak{G} = \mathbb{R}^s \oplus \mathfrak{h}_n$   
 $SO(6) SO(7) S^3 \times S^3 \xrightarrow{n=0 \pmod{2} s=3 \pmod{4}} H^{p, q}(\Gamma \backslash G) \cong H^{p, q}(\mathfrak{g}^{\mathbb{C}})$   
 $SU(3) G_2 S^5, S^2 \times S^3 \xrightarrow{\mu_2 e^{1234}} (\mathbb{T}^n, J, g_\mu)$   
 $L_X Y = X \cdot Y, L_X^* Y = X * Y S^2 \times S^3 \Gamma \backslash G$   
 $[JX, JY] = [X, Y] (0, 0, 0, 0, 12, 34) df J(t) = v$   
 $L^+(E^{p+1, q}) = L^-(E^{q, p+1}) \mathbb{C}P^2 \# \pm \mathbb{C}P^2$   
 $S^4, \mathbb{C}P^2, S^2 \times S^2 \mathfrak{g}^{\mathbb{C}} = \mathfrak{q} \oplus \sigma \mathfrak{q} S J_e = -J_e S$   
 $\text{Aut}(N_{r, c, \mathbb{Q}} / [N_{r, c, \mathbb{Q}}, N_{r, c, \mathbb{Q}}]) \cong GL_r(\mathbb{Q})$   
 $\lambda A^2 + \ell B^2 = \text{id} (SO(5) / U(2), \mu = \mu_{x_1, x_2})$   
 $\text{Ric} = c \text{Id} + \frac{1}{2} [D_{\mathfrak{g}/\mathfrak{k}} + (D_{\mathfrak{g}/\mathfrak{k}})^t] \text{Vol}_H^n(R)$   
 $(0, 0, 0, 0, 12, 14 + 23) SU(3) \text{Vol}_H^n(r)$   
 $\begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix} \in \text{Der}(\mathfrak{g}) \cup S(U(1) \times U(1) \times U(1))$   
 $X = P^{-1} \begin{pmatrix} 0 & z \\ 1 & 0 \end{pmatrix} P \xrightarrow{\mu_A(e_0, e_i)} A e_i$   
 $\mathfrak{k} \oplus \mathfrak{h} \oplus \mathfrak{n} \text{Sp}(n, \mathbb{R}) / U(n)$   
 $SL(n, \vec{H}) / \text{Sp}(n) \xrightarrow{\mu_A(e_0, e_i)} SL(n, \vec{R}) / SO(n)$   
 $\frac{1}{2} [A, A^t] - \text{tr}(A) S(A) \Phi : S_m \rightarrow \mathbb{R}P^2 / S_3$   
 $SO(n, H) / U(n) SO(p, q) / SO(p) SO(q)$   
 $\int^t \sqrt{nh^d} (f_n(p) - f(p)) \rightarrow \mathcal{N}(b(p), V(p))$   
 $\int \frac{1}{2} (1 + |\text{Ric}_{\mu(s)}|^2) ds F : \mathbb{T}^n \rightarrow TS^{n-1}$   
 ${}^0 SU(p, q) / S(U(p)U(q)) \omega^b A = -A^* \omega^b$   
 $YY^t \alpha = [1]_n \mu_0 = \lim_{t \rightarrow \infty} \exp(tA) \cdot \mu_2 |\sigma_2|^2$   
 $G^+(2, 4) = S^2 \times S^2 \int_{\mathcal{V}_1} K_{\delta}^2 \frac{d\mathbf{u}}{\|\mathbf{u}\|} dR(M)$   
 $i(M) \geq i_0(m, \delta, D) \int_{\mathcal{V}_1} -g = -2 \text{ric}_g$   
 $\|\dot{\gamma}(t)\|^2 \|X \cdot \gamma(t)\|^2 + \|\nabla_{\dot{\gamma}(t)} (X \cdot \gamma(t))\|^2$   
 $\{U, V, \sigma U, \sigma V\} v^m \leq g_s(m) \leq g_s(1)^m \mu |x|^2$



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