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> restart :
> with(DifferentialGeometry) :
> with(Tools) : with(LinearAlgebra) :
> DGsetup([w, x, y, z, z1], [a, a1, b, b1, c, d, e, f, g, h, k], frame1, verbose);
    The following coordinates have been protected:
        [w, x, y, z, z1, a, a1, b, b1, c, d, e, f, g, h, k]
    The following vector fields have been defined and protected:
[D_w, D_x, D_y, D_z, D_z1, D_a, D_a1, D_b, D_b1, D_c, D_d, D_e, D_f, D_g, D_h, D_k]
    The following differential 1-forms have been defined and protected:
        [dw, dx, dy, dz, dz1, da, da1, db, db1, dc, dd, de, df, dg, dh, dk]
        frame name: frame1

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(1)

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> On introduit la matrice de groupe:
> Ma := Matrix([[a^3*a1, 0, 0, 0, 0], [f, a^2*a1, 0, 0, 0], [g, c, a*a1, 0, 0], [h, d, b, a, 0], [k, e, b1, 0, a1]]);

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$$Ma := \begin{bmatrix} a^3 a1 & 0 & 0 & 0 & 0 \\ f & a^2 a1 & 0 & 0 & 0 \\ g & c & a a1 & 0 & 0 \\ h & d & b & a & 0 \\ k & e & b1 & 0 & a1 \end{bmatrix}$$

(2)

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M > MaInv := MatrixInverse(Ma) :
M > On determine les formes de Maurer Cartan:
M > Mat := map(evalDG, (ExteriorDerivative(Ma).MaInv)) :
M > t[1] := da/a :
M > t[2] := -b da/(a^2 a1) + db/(a a1) :
M > t[3] := -c da/(a1 a^3) - c da1/(a1^2 a^2) + dc/(a^2 a1) :
M > t[4] := -(d a a1 - b c) da/(a^4 a1^2) - c db/(a^3 a1^2) + dd/(a^2 a1) :
M > t[5] := -(e a a1 - b1 c) da1/(a^3 a1^3) - c db1/(a^3 a1^2) + de/(a^2 a1) :
M > t[6] := -2f da/(a1 a^4) - f da1/(a1^2 a^3) + df/(a^3 a1) :
M > t[7] := -(g a^2 a1 - c f) da/(a1^2 a^6) - (g a^2 a1 - c f) da1/(a1^3 a^5) - f dc/(a^5 a1^2) + dg/(a^3 a1) :
M > t[8] := -(h a^3 a1^2 - d f a a1 - b g a^2 a1 + b c f) da/(a^7 a1^3) - (g a^2 a1 - c f) db/(a^6 a1^3) - f dd/(a^5 a1^2)
+ dh/(a^3 a1) :

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M > t[9] := - (k a^3 a l^2 - e f a a l - b l g a^2 a l + b l c f) d a l / (a^6 a l^4) - (g a^2 a l - c f) d b l / (a^6 a l^3)
          - f d e / (a^5 a l^2) + d k / (a^3 a l) :
M > t[10] := d a l / a l :
M > t[11] := - b l d a l / (a a l^2) + d b l / (a a l) :
M > FD := FrameData([t[1], t[2], t[3], t[4], t[5], t[6], t[7], t[8], t[9], t[10], t[11], dw,
dx, dy, dz, dz1], frame2) :
M > DGsetup(FD, [E], [alpha[1], alpha[2], alpha[3], alpha[4], alpha[5], alpha[6],
alpha[7], alpha[8], alpha[9], alpha#[1], alpha#[2], tau, sigma, rho, zeta, zeta#], verbose);
          The following coordinates have been protected:
          [w, x, y, z, z1, a, a l, b, b l, c, d, e, f, g, h, k]
          The following vector fields have been defined and protected:
          [E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, E12, E13, E14, E15, E16]
          The following differential 1-forms have been defined and protected:
          [alpha_1, alpha_2, alpha_3, alpha_4, alpha_5, alpha_6, alpha_7, alpha_8, alpha_9, alpha#[1], alpha#[2], tau, sigma, rho, zeta, zeta#]
          frame name: frame2

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(3)

Le coframe relevé Y est relié au coframe de base W par la relation  $Y = Ma \cdot W$ :

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N > Y := Vector([tau, sigma, rho, zeta, zeta#]) :
      W := MaInv.Y :

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Les equations de courbure du coframe initial sont connues:

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frame2 > dW[1] := T.(W[1]&wedge W[2]) + Q.(W[1]&wedge W[3]) + K
          .(W[1]&wedge W[5]) + G.(W[1]&wedge W[4]) + N.(W[2]
          &wedge W[3]) + B.(W[2]&wedge W[5]) + (W[2]
          &wedge W[4]) :
frame2 > dW[2] := S.(W[1]&wedge W[2]) + P.(W[1]&wedge W[3]) + J
          .(W[1]&wedge W[5]) + F.(W[1]&wedge W[4]) + M.(W[2]
          &wedge W[3]) + (L(B) + A).(W[2]&wedge W[5]) + B.(W[3]
          &wedge W[5]) + (W[3]&wedge W[4]) :
frame2 > dW[3] := R.(W[1]&wedge W[2]) + O.(W[1]&wedge W[3]) + H
          .(W[1]&wedge W[5]) + E.(W[1]&wedge W[4]) + LL.(W[2]
          &wedge W[3]) + L(A).(W[2]&wedge W[5]) + A.(W[3]
          &wedge W[5]) + I.(W[4]&wedge W[5]) :
N >
frame2 > dW[4] := 0 :
frame2 > dW[5] := 0 :
frame2 > dW := Vector([dW[1], dW[2], dW[3], dW[4], dW[5]]) :
frame2 > Omega := map(evalDG, Ma.dW) :
frame2 > Mat := map(evalDG, (ExteriorDerivative(Ma).MaInv)) :
frame2 > Mat2 := Mat &MatrixWedge Y :
frame2 > SE := map(evalDG, (Mat2 &MatrixPlus Omega)) :

```

**frame2** >  $List := GenerateForms([alpha[1], alpha[2], alpha[3], alpha[4],$   
 $alpha[5], alpha[6], alpha[7], alpha[8], alpha[9], \alpha^{\#}[1], \alpha^{\#}[2], tau,$   
 $sigma, rho, zeta, \zeta^{\#}], 2) :$

**frame2** >  $Torsion := \mathbf{proc}(S, i, j) \mathbf{local} k, X; k := 16 \cdot (i - 1) - \frac{i \cdot (i - 1)}{2} + j - i; X$   
 $:= GetComponents(S, List); X[k]; \mathbf{end proc}:$

**frame2** >  $result := \mathbf{proc}(l) \mathbf{local} k, t, X; X := 0 : t := expand(GetComponents(l,$   
 $List)) : \mathbf{for} k \mathbf{from} 1 \mathbf{to} 120 \mathbf{do} X := X + t[k] \cdot List[k] \mathbf{od}; X; \mathbf{end}$   
 $\mathbf{proc}:$

**frame2** >  $result(SE[1]);$

$$\begin{aligned}
& 3 \alpha_1 \wedge \tau + \alpha_1^{\#} \wedge \tau + \left( \frac{h}{a^3 al} - \frac{bg}{a^4 al^2} + \frac{Bk}{a^2 al^2} - \frac{Bgb l}{a^3 al^3} + \frac{Ng}{a^3 al^2} - \frac{Gd}{a^3 al} + \frac{Gbc}{a^4 al^2} \right. \\
& \left. - \frac{Ke}{a^2 al^2} + \frac{Kblc}{a^3 al^3} - \frac{Qc}{a^3 al^2} + \frac{T}{a^2 al} \right) \tau \wedge \sigma + \left( \frac{fb}{a^4 al^2} + \frac{Bblf}{a^3 al^3} - \frac{Nf}{a^3 al^2} \right. \\
& \left. - \frac{Gb}{a^2 al} - \frac{Kbl}{aal^2} + \frac{Q}{aal} \right) \tau \wedge \rho + \left( -\frac{f}{a^3 al} + \frac{G}{a} \right) \tau \wedge \zeta + \left( -\frac{Bf}{a^2 al^2} \right. \\
& \left. + \frac{K}{al} \right) \tau \wedge \zeta^{\#} + \left( -\frac{b}{aal} - \frac{Bbl}{al^2} + \frac{N}{al} \right) \sigma \wedge \rho + \sigma \wedge \zeta + \frac{aB\sigma \wedge \zeta^{\#}}{al}
\end{aligned} \tag{4}$$

**frame2** >  $result(SE[2]);$

$$\begin{aligned}
& 2 \alpha_1 \wedge \sigma + \alpha_6 \wedge \tau + \alpha_1^{\#} \wedge \sigma + \left( -\frac{dF}{a^4 al} + \frac{Ak}{a^3 al^2} + \frac{L(B)k}{a^3 al^2} - \frac{eJ}{a^3 al^2} - \frac{cP}{a^4 al^2} \right. \\
& \left. - \frac{ch}{a^5 al^2} + \frac{fT}{a^5 al^2} + \frac{Mg}{a^4 al^2} + \frac{hf}{a^6 al^2} + \frac{dg}{a^5 al^2} + \frac{fKblc}{a^6 al^4} + \frac{fGbc}{a^7 al^3} - \frac{gBblf}{a^6 al^4} \right. \\
& \left. + \frac{S}{a^3 al} + \frac{cJbl}{a^4 al^3} + \frac{cFb}{a^5 al^2} - \frac{cBk}{a^4 al^3} + \frac{kBf}{a^5 al^3} - \frac{fQc}{a^6 al^3} - \frac{fKe}{a^5 al^3} - \frac{fGd}{a^6 al^2} \right. \\
& \left. + \frac{gNf}{a^6 al^3} - \frac{gfb}{a^7 al^3} - \frac{L(B)gb l}{a^4 al^3} + \frac{eBg}{a^4 al^3} - \frac{blAg}{a^4 al^3} \right) \tau \wedge \sigma + \left( \frac{h}{a^3 al} - \frac{df}{a^5 al^2} \right. \\
& \left. + \frac{Bk}{a^2 al^2} - \frac{Bef}{a^4 al^3} + \frac{blfL(B)}{a^4 al^3} + \frac{blfA}{a^4 al^3} - \frac{Mf}{a^4 al^2} - \frac{Fb}{a^3 al} - \frac{Jbl}{a^2 al^2} + \frac{P}{a^2 al} \right. \\
& \left. + \frac{f^2 b}{a^7 al^3} + \frac{Bblf^2}{a^6 al^4} - \frac{Nf^2}{a^6 al^3} - \frac{fGb}{a^5 al^2} - \frac{fKbl}{a^4 al^3} + \frac{fQ}{a^4 al^2} \right) \tau \wedge \rho + \left( -\frac{g}{al a^3} \right. \\
& \left. + \frac{cf}{al^2 a^5} + \frac{F}{a^2} - \frac{f^2}{al^2 a^6} + \frac{fG}{al a^4} \right) \tau \wedge \zeta + \left( -\frac{Bg}{al^2 a^2} + \frac{Bcf}{al^3 a^4} - \frac{fL(B)}{al^2 a^3} \right. \\
& \left. - \frac{fA}{al^2 a^3} + \frac{J}{al a} - \frac{Bf^2}{al^3 a^5} + \frac{fK}{al^2 a^3} \right) \tau \wedge \zeta^{\#} + \left( \frac{d}{a^2 al} + \frac{Be}{aal^2} - \frac{blL(B)}{aal^2} \right. \\
& \left. - \frac{blA}{aal^2} + \frac{M}{aal} - \frac{fb}{a^4 al^2} - \frac{Bblf}{a^3 al^3} + \frac{Nf}{a^3 al^2} \right) \sigma \wedge \rho + \left( -\frac{c}{a^2 al} + \frac{f}{a^3 al} \right) \sigma \wedge \zeta \\
& + \left( -\frac{Bc}{aal^2} + \frac{L(B)}{al} + \frac{A}{al} + \frac{Bf}{a^2 al^2} \right) \sigma \wedge \zeta^{\#} + \rho \wedge \zeta + \frac{aB\rho \wedge \zeta^{\#}}{al}
\end{aligned} \tag{5}$$

**frame2** > result(SE[3]);

$$\begin{aligned}
& \alpha_1 \wedge \rho + \alpha_3 \wedge \sigma + \alpha_7 \wedge \tau + \alpha_1^\# \wedge \rho + \left( \frac{Ibc k}{a^6 al^3} + \frac{Idbl g}{a^6 al^3} + \frac{R}{a^4 al} - \frac{Ibge}{a^6 al^3} - \frac{Ihbl c}{a^6 al^3} \right. \\
& + \frac{cBge}{a^6 al^4} - \frac{cAgbl}{a^6 al^4} + \frac{gGbc}{a^7 al^3} + \frac{gKbl c}{a^6 al^4} - \frac{cL(B) gbl}{a^6 al^4} - \frac{L(A) gbl}{a^5 al^3} + \frac{Ihe}{a^5 al^2} \\
& + \frac{Hbl c}{a^5 al^3} + \frac{Ebc}{a^6 al^2} + \frac{Age}{a^5 al^3} - \frac{Bg^2 bl}{a^6 al^4} + \frac{Jbl c^2}{a^6 al^4} + \frac{Fbc^2}{a^7 al^3} - \frac{Bc^2 k}{a^6 al^4} + \frac{cgd}{a^7 al^3} \\
& - \frac{gQc}{a^6 al^3} - \frac{gKe}{a^5 al^3} - \frac{gGd}{a^6 al^2} + \frac{gBk}{a^5 al^3} - \frac{cJe}{a^5 al^3} - \frac{cFd}{a^6 al^2} + \frac{cMg}{a^6 al^3} - \frac{Idk}{a^5 al^2} \\
& + \frac{cL(B) k}{a^5 al^3} - \frac{Pc^2}{a^6 al^3} + \frac{cS}{a^5 al^2} + \frac{gh}{a^6 al^2} + \frac{Ng^2}{a^6 al^3} + \frac{gT}{a^5 al^2} + \frac{LLg}{a^5 al^2} - \frac{Ed}{a^5 al} \\
& - \frac{He}{a^4 al^2} - \frac{Oc}{a^5 al^2} + \frac{L(A) k}{a^4 al^2} - \frac{c^2 h}{a^7 al^3} - \frac{bg^2}{a^7 al^3} \left. \right) \tau \wedge \sigma + \left( \frac{Ak}{a^3 al^2} + \frac{cP}{a^4 al^2} \right. \\
& + \frac{ch}{a^5 al^2} + \frac{O}{a^3 al} + \frac{blAcf}{a^6 al^4} - \frac{eBcf}{a^6 al^4} + \frac{Ibef}{a^6 al^3} + \frac{cblfL(B)}{a^6 al^4} - \frac{Ibldf}{a^6 al^3} \\
& + \frac{gQ}{a^4 al^2} - \frac{blH}{a^3 al^2} + \frac{gBblf}{a^6 al^4} - \frac{cJbl}{a^4 al^3} - \frac{cFb}{a^5 al^2} + \frac{cBk}{a^4 al^3} - \frac{gNf}{a^6 al^3} + \frac{gfb}{a^7 al^3} \\
& - \frac{dcf}{a^7 al^3} - \frac{efA}{a^5 al^3} + \frac{Ibl h}{a^4 al^2} + \frac{blL(A) f}{a^5 al^3} - \frac{cMf}{a^6 al^3} - \frac{bE}{a^4 al} - \frac{LLf}{a^5 al^2} - \frac{gKbl}{a^4 al^3} \\
& - \frac{gGb}{a^5 al^2} - \frac{Ibk}{a^4 al^2} \left. \right) \tau \wedge \rho + \left( \frac{Ik}{a^3 al} - \frac{Ief}{a^5 al^2} - \frac{Ibl g}{a^4 al^2} + \frac{Ibl cf}{a^6 al^3} + \frac{E}{a^3} - \frac{cg}{a^5 al^2} \right. \\
& + \frac{c^2 f}{a^7 al^3} + \frac{cF}{a^4 al} - \frac{gf}{a^6 al^2} + \frac{gG}{a^4 al} \left. \right) \tau \wedge \zeta + \left( -\frac{Ih}{a^3 al} + \frac{Idf}{a^5 al^2} + \frac{Ibg}{a^4 al^2} \right. \\
& - \frac{Ibcf}{a^6 al^3} - \frac{Ag}{a^3 al^2} - \frac{L(A) f}{a^4 al^2} + \frac{H}{a^2 al} - \frac{cBg}{a^4 al^3} + \frac{Bc^2 f}{a^6 al^4} - \frac{cfL(B)}{a^5 al^3} + \frac{cJ}{a^3 al^2} \\
& - \frac{gBf}{a^5 al^3} + \frac{gK}{a^3 al^2} \left. \right) \tau \wedge \zeta^\# + \left( -\frac{Ibe}{a^3 al^2} + \frac{Ibl d}{a^3 al^2} + \frac{eA}{a^2 al^2} - \frac{blL(A)}{a^2 al^2} + \frac{LL}{a^2 al} \right. \\
& + \frac{dc}{a^4 al^2} + \frac{eBc}{a^3 al^3} - \frac{cblL(B)}{a^3 al^3} - \frac{blAc}{a^3 al^3} + \frac{cM}{a^3 al^2} - \frac{bg}{a^4 al^2} - \frac{Bgbl}{a^3 al^3} \\
& + \frac{Ng}{a^3 al^2} \left. \right) \sigma \wedge \rho + \left( \frac{Ie}{a^2 al} - \frac{Ibl c}{a^3 al^2} - \frac{c^2}{a^4 al^2} + \frac{g}{al a^3} \right) \sigma \wedge \zeta + \left( -\frac{Id}{a^2 al} \right. \\
& + \frac{Ibc}{a^3 al^2} + \frac{L(A)}{aal} - \frac{Bc^2}{a^3 al^3} + \frac{cL(B)}{a^2 al^2} + \frac{Bg}{al^2 a^2} \left. \right) \sigma \wedge \zeta^\# + \left( \frac{Ibl}{aal} + \frac{c}{a^2 al} \right) \rho \wedge \zeta \\
& + \left( -\frac{Ib}{aal} + \frac{A}{al} + \frac{Bc}{aal^2} \right) \rho \wedge \zeta^\# + I\zeta \wedge \zeta^\#
\end{aligned} \tag{6}$$

**frame2** > result(SE[4]);

$$\alpha_1 \wedge \zeta + \alpha_2 \wedge \rho + \alpha_4 \wedge \sigma + \alpha_8 \wedge \tau + \left( \frac{dL(B) k}{a^5 al^3} - \frac{dJe}{a^5 al^3} + \frac{dMg}{a^6 al^3} + \frac{dAk}{a^5 al^3} - \frac{hQc}{a^6 al^3} \right. \tag{7}$$

$$\begin{aligned}
& -\frac{hKe}{a^5 al^3} - \frac{hGd}{a^6 al^2} + \frac{hNg}{a^6 al^3} - \frac{dPc}{a^6 al^3} + \frac{Eb^2c}{a^7 al^3} + \frac{hBk}{a^5 al^3} - \frac{bEd}{a^6 al^2} + \frac{bLLg}{a^6 al^3} \\
& -\frac{bHe}{a^5 al^3} - \frac{bOc}{a^6 al^3} + \frac{bL(A)k}{a^5 al^3} - \frac{dch}{a^7 al^3} - \frac{hbg}{a^7 al^3} - \frac{dL(B)gbl}{a^6 al^4} + \frac{dBge}{a^6 al^4} \\
& -\frac{dBck}{a^6 al^4} + \frac{dJblc}{a^6 al^4} + \frac{dFbc}{a^7 al^3} - \frac{dAgbl}{a^6 al^4} + \frac{hKblc}{a^6 al^4} + \frac{hGbc}{a^7 al^3} - \frac{hBgbl}{a^6 al^4} \\
& + \frac{Ibhe}{a^6 al^3} + \frac{Ib^2ck}{a^7 al^4} - \frac{Ib^2ge}{a^7 al^4} - \frac{Ibdk}{a^6 al^3} - \frac{bAck}{a^6 al^4} + \frac{bAge}{a^6 al^4} + \frac{bHblc}{a^6 al^4} \\
& -\frac{bL(A)gbl}{a^6 al^4} + \frac{gd^2}{a^7 al^3} + \frac{bR}{a^5 al^2} - \frac{Fd^2}{a^6 al^2} + \frac{dS}{a^5 al^2} + \frac{hT}{a^5 al^2} + \frac{h^2}{a^6 al^2} \\
& + \frac{Ibdblg}{a^7 al^4} - \frac{Ibhblc}{a^7 al^4} \Big) \tau \wedge \sigma + \left( -\frac{hKbl}{a^4 al^3} - \frac{hGb}{a^5 al^2} - \frac{hNf}{a^6 al^3} - \frac{dJbl}{a^4 al^3} \right. \\
& -\frac{dFb}{a^5 al^2} - \frac{dMf}{a^6 al^3} + \frac{dBk}{a^4 al^3} + \frac{bAk}{a^4 al^3} - \frac{bLLf}{a^6 al^3} - \frac{bHbl}{a^4 al^3} - \frac{Ib^2k}{a^5 al^3} + \frac{hfb}{a^7 al^3} \\
& + \frac{dbl fL(B)}{a^6 al^4} + \frac{hBblf}{a^6 al^4} + \frac{dbl fA}{a^6 al^4} - \frac{dDef}{a^6 al^4} + \frac{Ib^2ef}{a^7 al^4} + \frac{Ibblh}{a^5 al^3} - \frac{bAef}{a^6 al^4} \\
& + \frac{bL(A)blf}{a^6 al^4} - \frac{Eb^2}{a^5 al^2} + \frac{bO}{a^4 al^2} - \frac{d^2f}{a^7 al^3} + \frac{dP}{a^4 al^2} + \frac{hQ}{a^4 al^2} + \frac{dh}{a^5 al^2} \\
& \left. - \frac{Ibbl df}{a^7 al^4} \right) \tau \wedge \rho + \left( \frac{Ibk}{a^4 al^2} - \frac{Ibef}{a^6 al^3} - \frac{Iblbg}{a^5 al^3} + \frac{Iblbcf}{a^7 al^4} + \frac{bE}{a^4 al} - \frac{dg}{a^5 al^2} \right. \\
& + \frac{dcf}{a^7 al^3} + \frac{dF}{a^4 al} - \frac{hf}{a^6 al^2} + \frac{hG}{a^4 al} \Big) \tau \wedge \zeta + \left( -\frac{Ibh}{a^4 al^2} + \frac{Ibdf}{a^6 al^3} + \frac{Ib^2g}{a^5 al^3} \right. \\
& -\frac{Ib^2cf}{a^7 al^4} - \frac{bAg}{a^4 al^3} + \frac{bAcf}{a^6 al^4} - \frac{bL(A)f}{a^5 al^3} + \frac{bH}{a^3 al^2} - \frac{dBg}{a^4 al^3} + \frac{dBcf}{a^6 al^4} - \frac{dfL(B)}{a^5 al^3} \\
& \left. - \frac{dfA}{a^5 al^3} + \frac{dJ}{a^3 al^2} - \frac{hBf}{a^5 al^3} + \frac{hK}{a^3 al^2} \right) \tau \wedge \zeta^\# + \left( -\frac{Ib^2e}{a^4 al^3} + \frac{Ibbl d}{a^4 al^3} + \frac{bAe}{a^3 al^3} \right. \\
& -\frac{bL(A)bl}{a^3 al^3} + \frac{bLL}{a^3 al^2} + \frac{d^2}{a^4 al^2} + \frac{dBe}{a^3 al^3} - \frac{dblL(B)}{a^3 al^3} - \frac{dblA}{a^3 al^3} + \frac{dM}{a^3 al^2} \\
& \left. - \frac{bh}{a^4 al^2} - \frac{hBbl}{a^3 al^3} + \frac{hN}{a^3 al^2} \right) \sigma \wedge \rho + \left( \frac{Ibe}{a^3 al^2} - \frac{Iblbc}{a^4 al^3} - \frac{dc}{a^4 al^2} \right. \\
& + \frac{h}{a^3 al} \Big) \sigma \wedge \zeta + \left( -\frac{Ibd}{a^3 al^2} + \frac{Ib^2c}{a^4 al^3} - \frac{bAc}{a^3 al^3} + \frac{bL(A)}{a^2 al^2} - \frac{dBc}{a^3 al^3} + \frac{dL(B)}{a^2 al^2} \right. \\
& + \frac{dA}{a^2 al^2} + \frac{hB}{a^2 al^2} \Big) \sigma \wedge \zeta^\# + \left( \frac{Ibbl}{a^2 al^2} + \frac{d}{a^2 al} \right) \rho \wedge \zeta + \left( -\frac{Ib^2}{a^2 al^2} + \frac{bA}{aal^2} \right. \\
& \left. + \frac{dB}{aal^2} \right) \rho \wedge \zeta^\# + \frac{Ib\zeta \wedge \zeta^\#}{aal}
\end{aligned}$$

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|_frame2 >
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