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( TiHAcic Pierre - Cancuje - Tanaguay . Octobe 2018 -
                                                                       (2)= (2) = b+ a cco x
                                                                       w'(d) = - a sind
    ds2 = a2 dx2 + (b+acex)2 do2 = a2 dq2 + was) do
                                                                       w"(d) = -a cosd
              1/ω [ a o o ] 1 h [ /a o 7 1 /ω 7 2
       @ Symbh Christofell q.q= at er. e= w q.a= eq= s
 * 2, (ez.ez)= 2, w2 (=) ezdiez + ezdiez = ew'w (=) * ezdiez = $w'w
                                     e. e = 52 60 e. e = 0 gauf si i = 2
 => e2 5/2 ei = w'w
     => e2. e2. \( 12 = \omega' \omega' \) = \( \omega' \omega' \) = \( \omega' \omega' \)
                                                            avec \int_{12}^{2} = \int_{2}^{2} = \frac{\omega}{\omega}
             \int_{1}^{2} \int_{12}^{2} = \frac{\omega}{\omega}
   * de (ezer) = 2, w = 0 w me dejet jes de t.
    es 2 e2 e2 \(\Gamma_{22} = 0 \) = > \(\Gamma_{21} = 0 \)
    k. 2, (eq) = 2 eq [ = = ] [ = = ]
    x 22 (49) = 299 [= = | [= ]
    x d, (qer) = qd, ex + erd, q = q [12 q + er [1 ex + qe [n + eq [1 =
              => [ [ = 0 ]
   * 2 (qe) = e, 2e2 + e2281 = 9 T21 4 + e2 T2 e2 = 2 T21 + w2 T2
             = \alpha^2 \left[ \frac{\omega^2 \omega}{\omega} \right] = \left[ \frac{\omega^2 \omega}{\omega} \right] = \frac{\omega^2 \omega}{\omega}
           \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & -\frac{\omega'\omega}{a^{1}} \end{bmatrix}_{2} \begin{bmatrix} 1 & 2 & 0 & \frac{\omega'}{2} \\ 0 & -\frac{\omega'\omega}{a^{1}} \end{bmatrix}_{2}
                                            T21 et T2 #0
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autre medbode: Tw = of half (hup, v + hup, v - hus, p) "Jh = ct. Ja 1 1 + v => h == => 3 Syull Chy + > Th d Th I Th K (12) = 1 h" (h2,2+h2,2-h2,1) = - 1 h" (h2,1) = - 1 - 2000 = - 1000 (2) Teresen Rieman. : Roop = (22p-2p2) ex x=P=> R xxx = 0 4(P, x) $= > R'_{111} = R'_{211} = R'_{111} = R'_{211} = R'_{121} = R'_{222} = R'_{122} = R'_{1$ 8 }= 2 Rx12 ??? R/12= 6/2, 2, 9 - 2, 2, 9 = 2, (5, 9) - 22/5, 9) or File of T2L #0 = 0, 52 ez = 52, 1 ez + 52 52 ej = (52, 1 + 52 52) ez R'12== d(Re12= 5211+52521= w" $=\left(\frac{\omega'}{\omega}\right)' + \frac{\omega'}{\omega L} = \frac{\omega''\omega - \omega''}{\omega L} + \frac{\omega''}{\omega L} = \frac{\omega''}{\omega}$ Re12= \$ (d, deer - D2D, er) = D, ([219) - D2 ([2e2) = Time + Tilg - Tile - Til Tire = 4 (Tir. 1 - Til Tir) R211=0 $R'_{212} = \Gamma'_{n,1} - \Gamma'_{12} \Gamma'_{22} = -\frac{\omega''_{\omega}}{a^2}$ $= -\frac{\omega'\omega - \omega'}{a^2} + \frac{\omega'}{\omega} \frac{\omega'\omega}{a^2} = -\frac{\omega'\omega}{a^2}$

(b)
$$d = t$$
 $\beta = 1$ $\{ \delta = 1 \}$

(c) $d = t$ $\beta = 1$ $\{ \delta = 1 \}$

(d) $d = t$ $\beta = 1$ $\{ \delta = 1 \}$

(e) $d = t$ $\beta = 1$ $\{ \delta = 1 \}$

(f) $d = t$ $f = 1$ $f =$