

 $2R_{11} = g^{27}R_{2121} + g^{2}R_{3131} = \frac{1}{912}(-1) + \frac{1}{912}(-1) + \frac{1}{912}(-1) - \frac{2}{912}$ NR22 = 9" R, 212+ 9 "R3231 = (1-92)(-1)+ 1 (-y (626) = 212 +- (cot26 x1) = 212-(0126 => R = = 9" R 1317 + 9" R 2323 = (1-912) (-mire) + 22/(-x/014) = 92 sin 20 - sin 26 - 10 (0,20. - (2+1) sin 20-1 Similarly: - for de? = dn? + n? dn? R<sub>11</sub> = . -2/912 | R<sub>22</sub> = (1+n<sup>2</sup>)(-1) - (cot<sup>2</sup>6-1) = -X-47-CONEX = - (+4cot4) R77 = L(+x2) (-mi20) - cost. -- - 922 pm 26 - sin 20 - CO3 26 = (1-92) sin 20-1 For . dl 2 = d x + sin 2 X d x 2 = dx2 + sin2x de2 + sin2x sin20d02 119 mil = Diag (1, sin 2x, sin 2x sin 20)  $R_{11} = -\frac{\cos^{2}X}{\sin^{2}X} - \frac{\cos^{2}X\sin^{2}x}{\sin^{2}X\cos^{2}x}$   $R_{22} = -(\cos^{2}X) - \frac{\cos^{2}X}{\cos^{2}X} - \frac$ 200 X sir 20 R77 = -(02×sm20 -m2×co20 - (-co)x sin26-co20) Semilarly for: - dl? - dx' + sinh' &ds' R1 = 6 | R21 = - (osh 2X - (o) 0+1 R37 - - Coh 2 / sin 20 - CO LO