313(8). (Lecting and Marifying Note 313(6) From Eq. (14) onwards: = D(R' >m T) - The Dx Th - R >m Dx Th - R >m Dx Th [D, [D, D-]] V = D ([Di, D-] Vr)_ - Rympy Tx + Rympy Dx Tx + The Dx Dx Tx = DR K Jun V - DT DX V + R Jun DX V The complete Jacobi identity is therefore: [[D,[D,D]]+[D,,[D,J]]+[D,,[D]]V = (D,R), + D,R), + D,R), - V

+ (Rpm+Roph+Rmy-(D,Tm+DaT))DxVh $\vdots = 0 \qquad -(9)$ Now use to Cartan identity:

Dotan + Dotan + Dotan = Rpon + Rope + Rome

Dotan + Dotan + Dotan = Rpon + Rope + Rome

Option + Dotan + Dotan identity: The Jacobi Cartar Evan (JCE) identity 11: $\begin{aligned} & \begin{bmatrix} D_{p}, [D_{n}, D_{n}] + [D_{n}, [D_{n}, D_{n}]] \\ & = \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, [D_{n}, D_{n}]] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{p}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n} \end{bmatrix} + [D_{n}, D_{n}] \\ & + \begin{bmatrix} D_{n}, D_{n}$ In Chos identity:

[The [D, D] + The [D, D] The control of the con

 $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac{1}{1000} \right) \sqrt{1000}$ $= \left(\frac{1}{1000} R \frac{1}{1000} + \frac{1}{1000} R \frac$ with first Evans identity: The Toy to the toy the iso Sotte Jacobi Cartar Evans identity is: ([D,[D,D]+[D,,[D,,D]]V) ·= (DR King + Dar King) The + (The Raph + The Rank) The The River to River to

The original 1902 bianchi identity is:

De R year + Do R toph + Ju R day = 0-(8)

and lis is no longer time in to presente of lowin.

The Jacobi identity (2) give Jot the

Cartar identity (3) and the first Evens

identity (6), as well as the JOE identity

(7).