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Lecture 6. Differential Geometry of Surface -- Moving Frames

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Cartan for Beginners: Differential Geometry via Moving Frames and Exterior Differential Systems, Second Edition. p. 17, Def. 1.6.4, line 2 change  $\int e$  to  $e$  p. 17, line -1 change  $Ad_{a-1}$  to  $Ad(a-1)$  p. 18, Def. 1.6.9 right-hand side of displayed equation should read  $[\omega(X), \omega(Y)] - [\omega(Y), \omega(X)]$  (not +) p. 19, Proof of 1.6.10, last line the "uniqueness" referred to is in the Frobenius Theorem p. 20, Exercise 1.6.14.3 change "complete the proof of" to "prove" p. 20 ...

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Imbo Sim: National Institute of Mathematical Sciences, Daejeon, Korea. Two central aspects of Cartan's approach to differential geometry are the theory of exterior differential systems (EDS) and the method of moving frames. This book presents thorough and modern treatments of both subjects, including their applications to both classic and contemporary problems in geometry.

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Cartan connection - Wikipedia

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