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Eduardo Hoefel* (hoefel@ufpr.br), Departamento de Matemática - UFPR, C.P. 019081, Curitiba, PR 81531-990, Brazil. *OCHA: examples and related structures.*

This talk is a survey of our work on Kajiwara-Stasheff's OCHA. Using its geometrical description in terms of the Axelrod-Singer compactification of certain configuration spaces, we will provide examples of OCHA structures on the singular chain complexes of certain pairs of topological spaces. On the other hand, one of the important related structures is that of Leibniz Pairs (or \mathfrak{g} -algebras). Using the algebraic description of OCHAs in terms of coderivations, we will give an application to the study of deformations of Leibniz Pairs. (Received December 16, 2008)