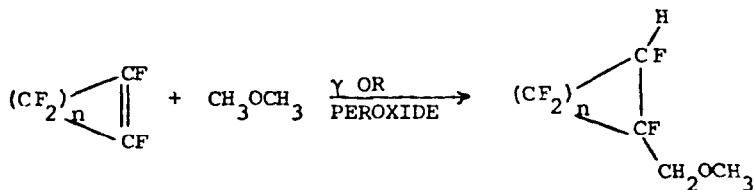


FREE-RADICAL ADDITIONS OF ETHERS TO FLUORINATED OLEFINS

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γ -Ray and peroxide-initiated additions of dimethylether to F-cyclobutene, F-cyclopentene, and F-cyclohexene give mixtures of cis- and trans-adducts and the stereochemistry of these processes will be discussed. A comparison of the reactivity of hexafluoropropene



$n = 2, 3, 4.$

towards radical additions of various cyclic ethers will be made which supports a rationale of the stabilising effect of oxygen on an adjacent radical centre.

Bromination and chlorination of the adducts provides, at first sight, surprising variations in selectivity.