Relations of nuclear magnetic resonance parameters to structure for cyclotriphosphazatrienes. Clare, Philip; Sowerby, D. Bryan; Harris, Robin K.; Wazeer, Mohamed I. M.. Dep. Chem., Univ. Nottingham, Nottingham, UK. Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1975), (7), 625-33. CODEN: JCDTBI ISSN: 0300-9246. Journal written in English. CAN 83:50405 AN 1975:450405 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

## Abstract

19F and 31P NMR spectra of fluorinated cyclotriphosphazatrienes e.g. cis and trans isomers of 1,3,5-P3N3F3X3 and 1,3-P3N3F2X4 (X = Cl, Br) and isomers of P3N3F2Cl2(NMe2)2 were detd. and analyzed by using iterative fitting by computer to give relevant coupling consts. and chem. shifts. The NMR parameters showed marked structural dependences and could be valuable in mol. structure assignments.