1150-54-447 **William Chen-Mertens**, Department of Mathematics, York University, Toronto, Ontario , and **Paul J Szeptycki*** (szeptyck@yorku.ca), Department of Mathematics and Statistics, York University, Toronto, Ontario , Canada. *Forcing axioms and the G_δ modification.*

Given a topological space X, the G_δ-modification, denoted X_δ, is obtained by taking the G_δ subsets of X as a basis. We show that PFA implies that for Fréchet α_1 spaces, the tightness of X_δ is bound by ω_1 while $\square(\kappa)$ there is a Fréchet α_1 space with $t(X_\delta) = \kappa$. This example also shows that the local version of the bound $t(X_\delta) \leq 2^{t(X)}L(X_\delta)$ does not hold. (Received July 15, 2019)