



Domingo GARCIA (domingo.garcia@uv.es), Faculty of Mathematics, University of Valencia, 46100 Burjasot - Valencia, Spain. *On norm attaining polynomials.*

ABSTRACT. We show that for every Banach space X the set of 2-homogeneous continuous polynomials whose canonical extension to X^{**} attain their norm is a dense subset of the space of all 2-homogeneous continuous polynomials $\mathcal{P}(^2X)$.