Pablo Galindo (galindo@uv.es) Departamento de Análisis Matemático, Facultad de Matematicas, University of Valencia, 46100 Burjasot - Valencia, Spain, ***Uniform approximation on ideals of multilinear mappings.***

ABSTRACT. Joint work with Geraldo Botelho and Leonardo Pellegrini

For each ideal of multilinear mappings $\mathcal{M}$ we explicitly construct a corresponding ideal ${}^a\mathcal{M}$ such that multilinear forms in ${}^a\mathcal{M}$ are exactly those which can be approximated, in the uniform norm, by multilinear forms in $\mathcal{M}$. This construction extends the H. Jarchow and A. Pełczyński description of the closed injective hull of an operator ideal. It is applied to finite type, compact, weakly compact and absolutely summing multilinear mappings.