

Dirichlet problems with the mean curvature operator in Minkowski space

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In this talk we present existence and multiplicity of classical positive radial solutions for Dirichlet problems with the mean curvature operator in Minkowski space. We use a combination of degree arguments, critical point theory for lower semicontinuous functionals and the upper and lower solutions method. This is a joint work with P. Jebelean and P. J. Torres.