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Cornelia Mihaila*, cmihaila@math.utexas.edu. *Axial symmetry for fractional capillarity droplets.*

A classical result of Wente, motivated by the study of sessile capillarity droplets, shows the axial symmetry of every hypersurface which meets a hyperplane at a constant angle and has mean curvature depending only on the distance from that hyperplane. We will prove an analogous result for the fractional mean curvature operator. (Received February 05, 2018)