Equilibrium shapes of drops on membranes ISHAN SHARMA, VI-
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librium shapes for axisymmetric sessile and pendant drops placed on / attached to
geometrically nonlinear elastic membranes, in horizontal as well as inclined config-
urations, are obtained. The effective contact angle of the drop with the membrane,
its contact radius, the maximum membrane displacement, and the volume of the
drop is investigated for various values of Bond Number and membrane tension.

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