

The Effect of the Flow Pipe Diameter on the Rheological Behavior of a Polymeric Solution (CMC)

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Abstract : The aim of this work is to study the parameters that influence the rheological behavior of a complex fluid (sodium Carboxyméthylcellulose solution), on a capillary rheometer. An installation has been made to be able to vary the diameter of trial conducts. The obtained results allowed us to deduce that: the diameter of trial conducts have a remarkable effect on the rheological responds.

Keywords : bingham's fluid, CMC, cylindrical conduit, rheological behavior

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