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Modeling of Non- Newtonian Flow in Porous Media

[Taha Sochi](#)

*(Submitted on 2
Nov 2010)*

The
thesis

investigates
the flow
of non-
Newtonian
fluids in
porous
media
using
pore-
scale
network
modeling.

Non-
Newtonian
fluids
show
very
complex
time and
strain
dependent
behavior
and may
have
initial
yield
stress.

Their
common
feature
is that
they do
not obey
the
simple
Newtonian

relation