IMPACT OF BRANCHING ON THE WORMLIKE REVERSE MICELLES VISCOELASTICITY

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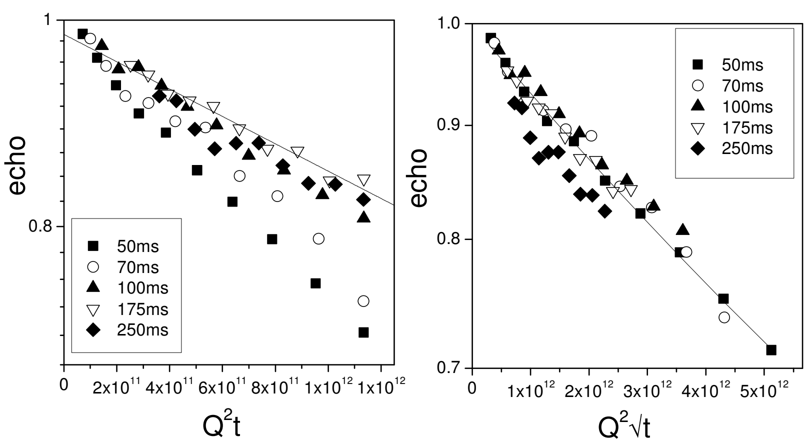
Figure S1

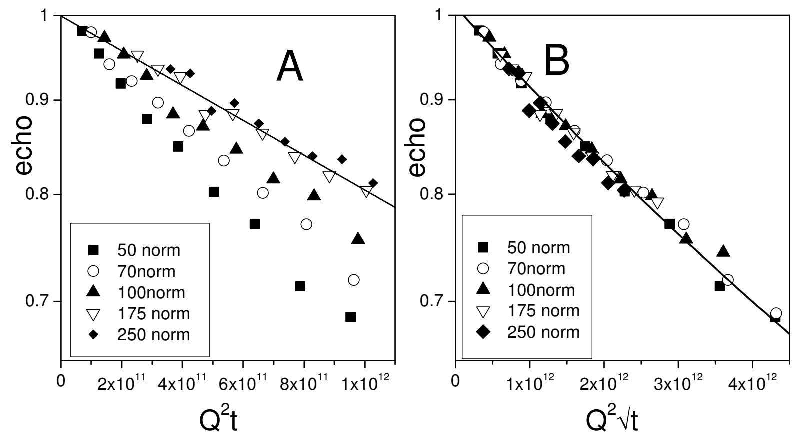


Semilog plots of normalized lecithin echo decays of sample F (R=0 and W_0= 2.0).

A) Steskjal-Tanner plot (the abscissa is Q^2t) the straight line is the best fit of the data at t>100 ms to Eq. 1.

B) curvilinear plot (the abscissa is $Q^2\sqrt{t}$) the curve is the best fit of the data at t<100 ms to Eq. 2.

Figure S2

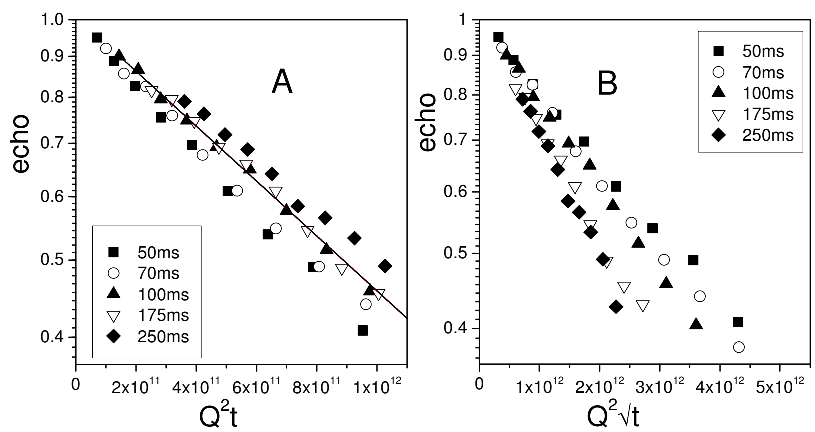


Semilog plots of normalized lecithin echo decays of sample FE (R=0.1 and W_0= 2.4).

A) Steskjal-Tanner plot (the abscissa is Q^2t) the straight line is the best fit of the data at t>100 ms to Eq. 1.

B) curvilinear plot (the abscissa is $Q^2\sqrt{t}$) the curve is the best fit of the data at t<100 ms to Eq. 2.

Figure S3



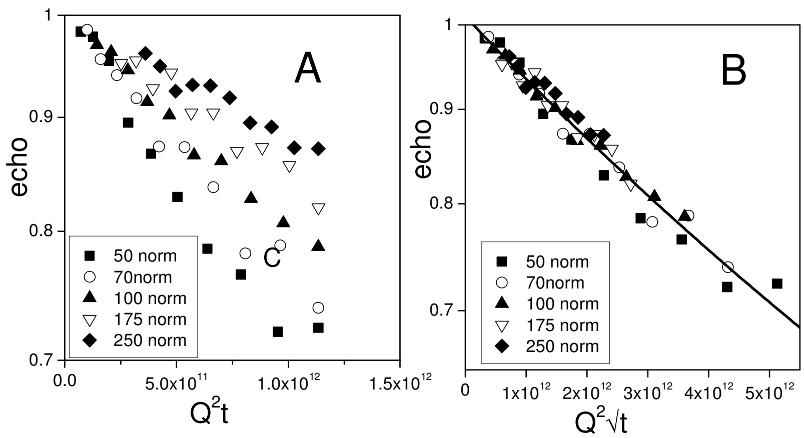
Semilog plots of normalized lecithin echo decays of sample C (R=0.64 and W_0= 6.6).

A) Steskjal-Tanner plot (the abscissa is Q^2t) the straight line is the best fit of all the data to Eq. 1.

B) curvilinear plot (the abscissa is $Q^2\sqrt{t}$).

Electronic Supplementary Material (ESI) for Soft Matter

Figure S4

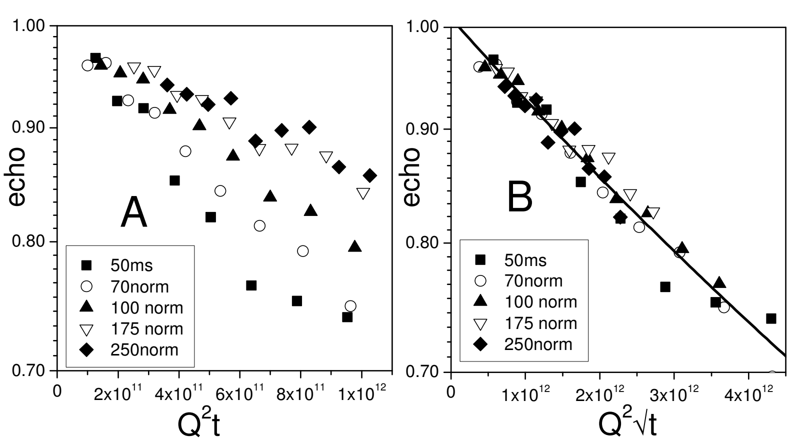


Semilog plots of normalized lecithin echo decays of sample AB (R=0.9 and W_0= 8.8).

A) Steskjal-Tanner plot (the abscissa is Q^2t).

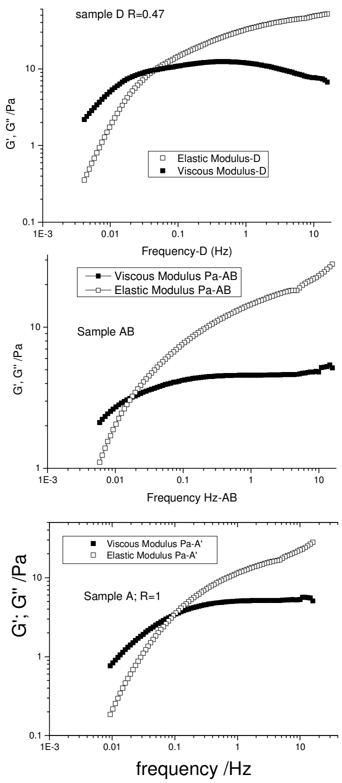
B) curvilinear plot (the abscissa is $Q^2\sqrt{t}$) the curve is the best fit of the data to Eq. 2.

Figure S5



Semilog plots of normalized lecithin echo decays of sample A (R=1 and W_0= 10.0). A) Steskjal-Tanner plot (the abscissa is Q^2t). B) curvilinear plot (the abscissa is $Q^2\sqrt{t}$) the curve is the best fit of the data to Eq. 2.

Figure S6



Oscillatory rheology experiments: isothermal (t=25°C) frequency sweep measurements performed in the linear viscoelastic regime of representative organogels; upper panel) sample D R=0.47 and W_0= 5.2; middle panel) sample AB R= 0.9 and W_0=8.8; lower panel) sample A R=1 (neat cyclohexane) and W_0= 10. For all the panels open symbols denote the elastic (storage) modulus G' and filled symbols denote the viscous (loss) modulus G''.