

7.11

Research on size stability of commercial nanodiamond suspensions under the influence of external factors.

N. I. Petrova

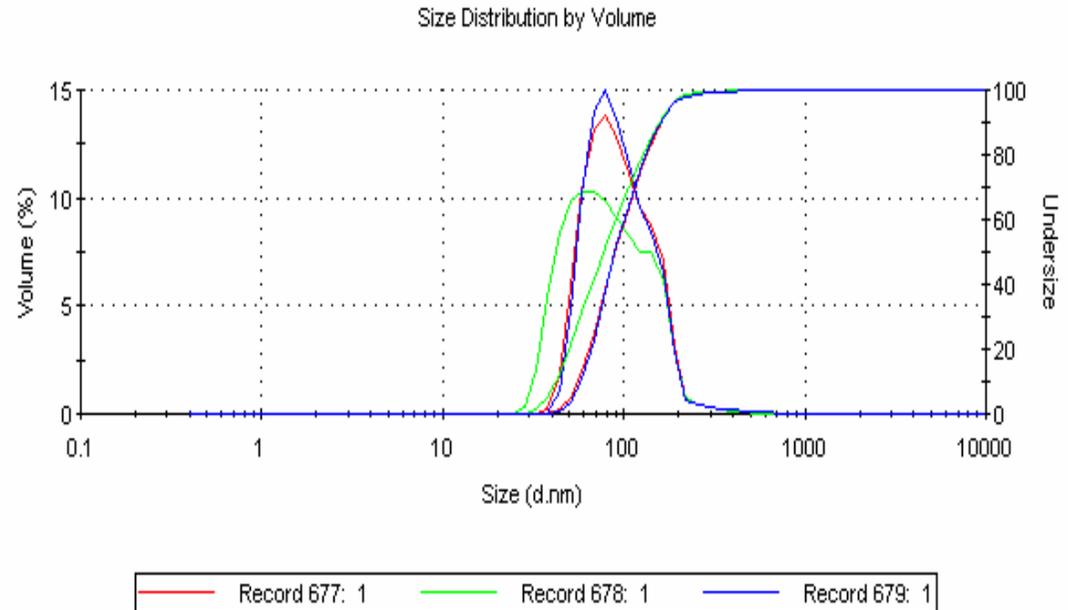
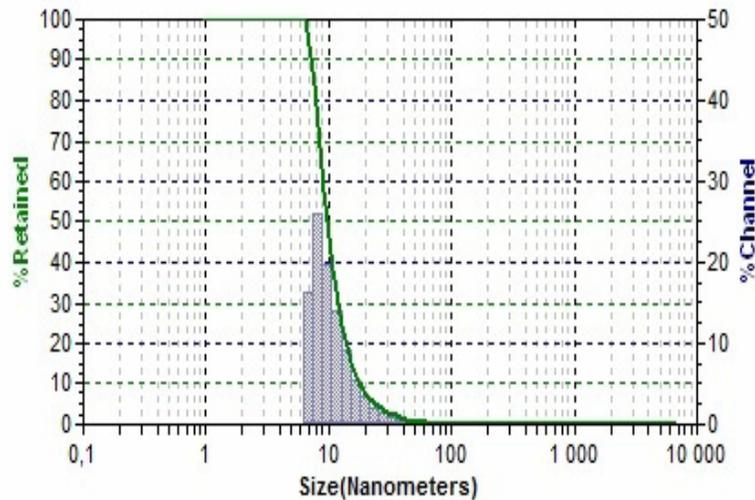
under the direction of

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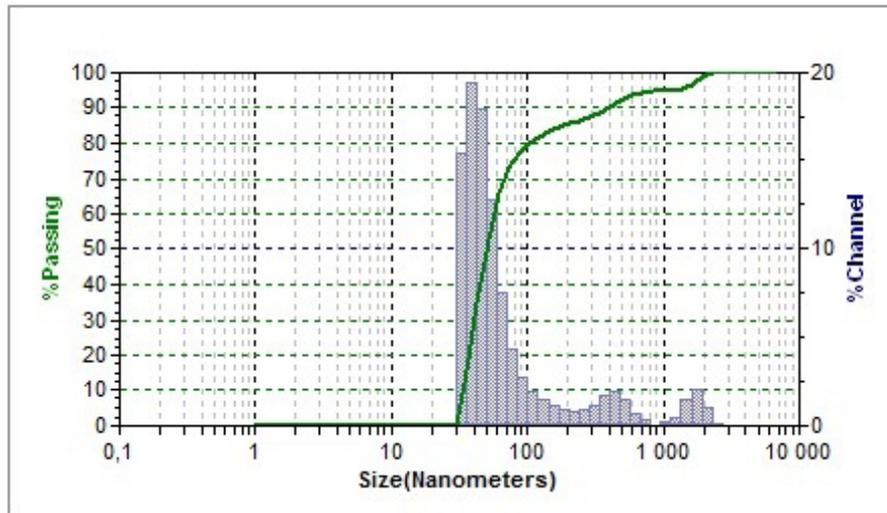
Water ND suspensions of two kinds with average aggregate size of 10nm and aggregate size of 100 nm



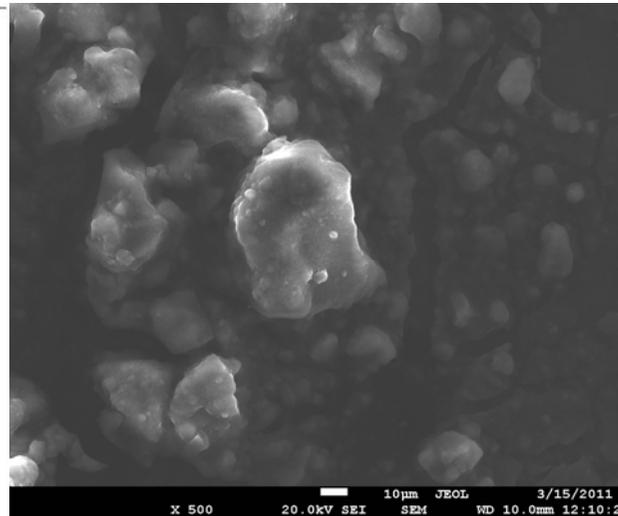
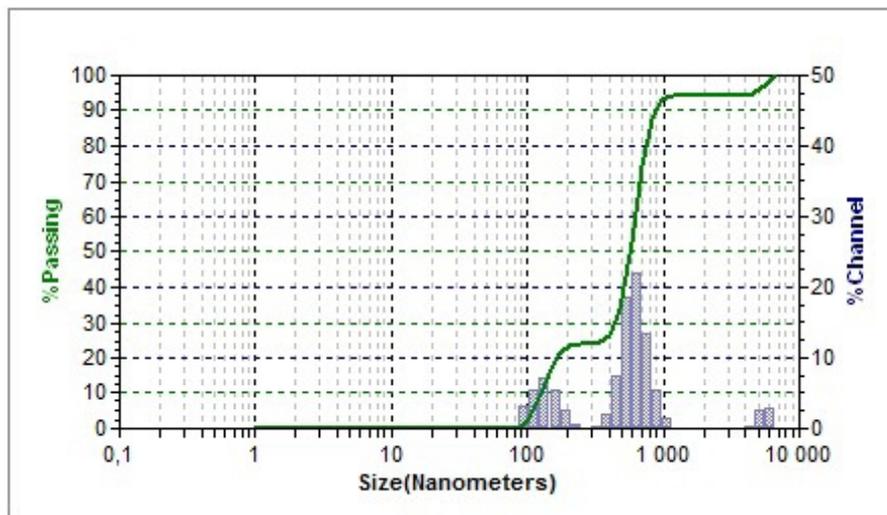
- Freezing
- Boiling
- Influence of high temperatures

- Influence of low temperatures
- Dilution
- Time factor

Results



10 nm suspension after boiling
(increase in size up to 1,5 μm)



100 nm suspension after freezing
(increase of average size, forming of apparent to the naked eye agglomerates)