

IV . Conclusion

Several information retrieval technologies were applied to small droplet samples. The role for two independent factors Q_c and Q_1 were analysed. The latter factor weighed more than the former for droplet enlargement in this process. Then linear model on droplet size variations was established to present droplet generation process; but this linear model is to some extent lack of descriptive satisfaction. The nonlinear item was introduced to achieve improved descriptive quality. The NNM technique was applied for droplet information retrieval. The verification procedure demonstrated optimized nonlinear model as well as NNM can well retrieve information through small droplets samples.

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