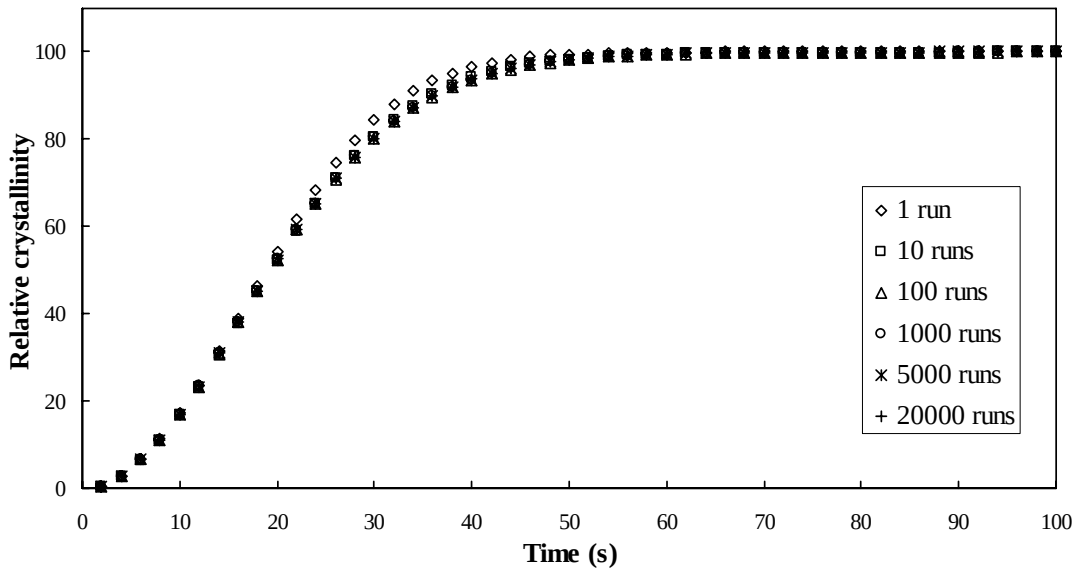
APPENDIX

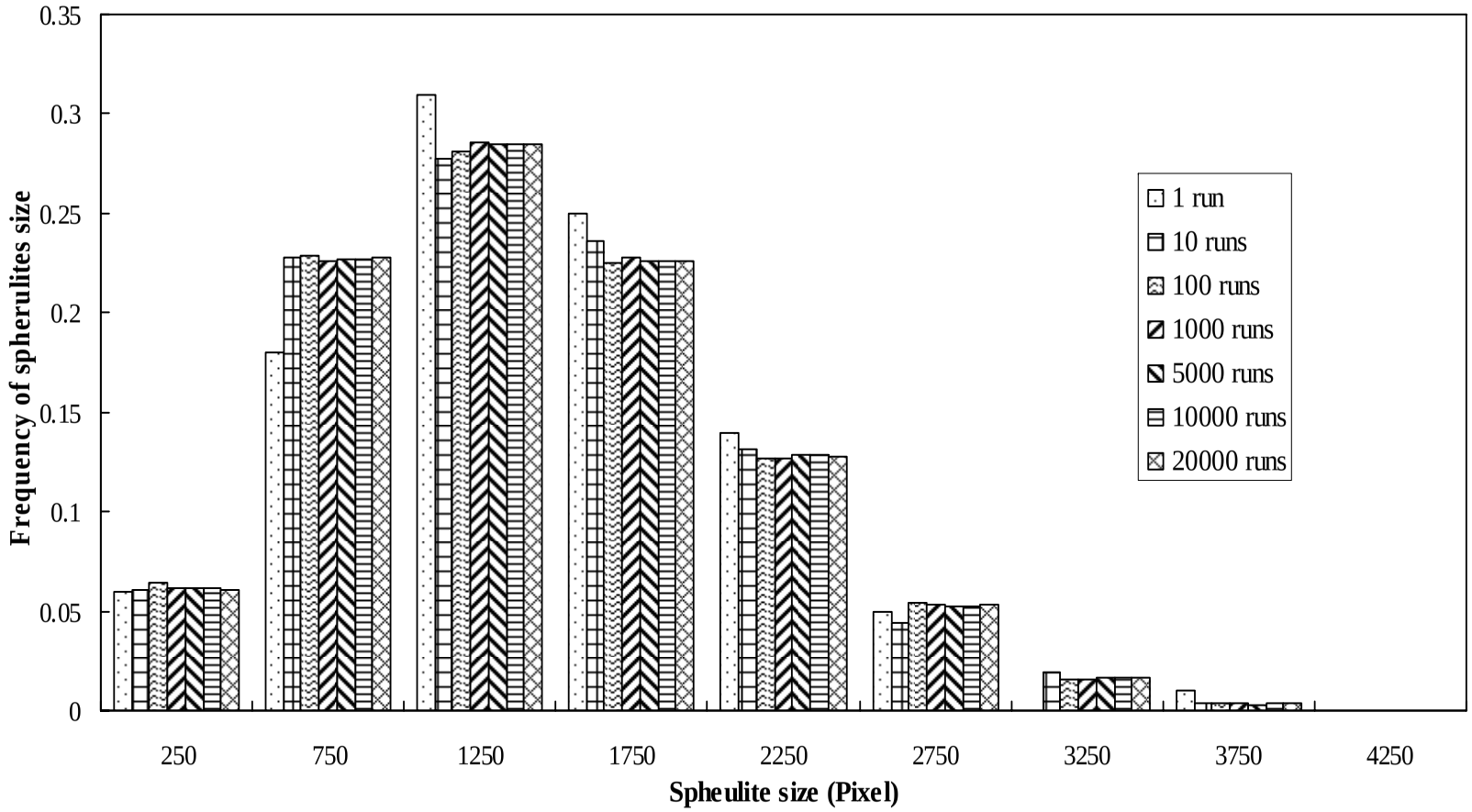
APPENDIX A

Determination of Run Conditions

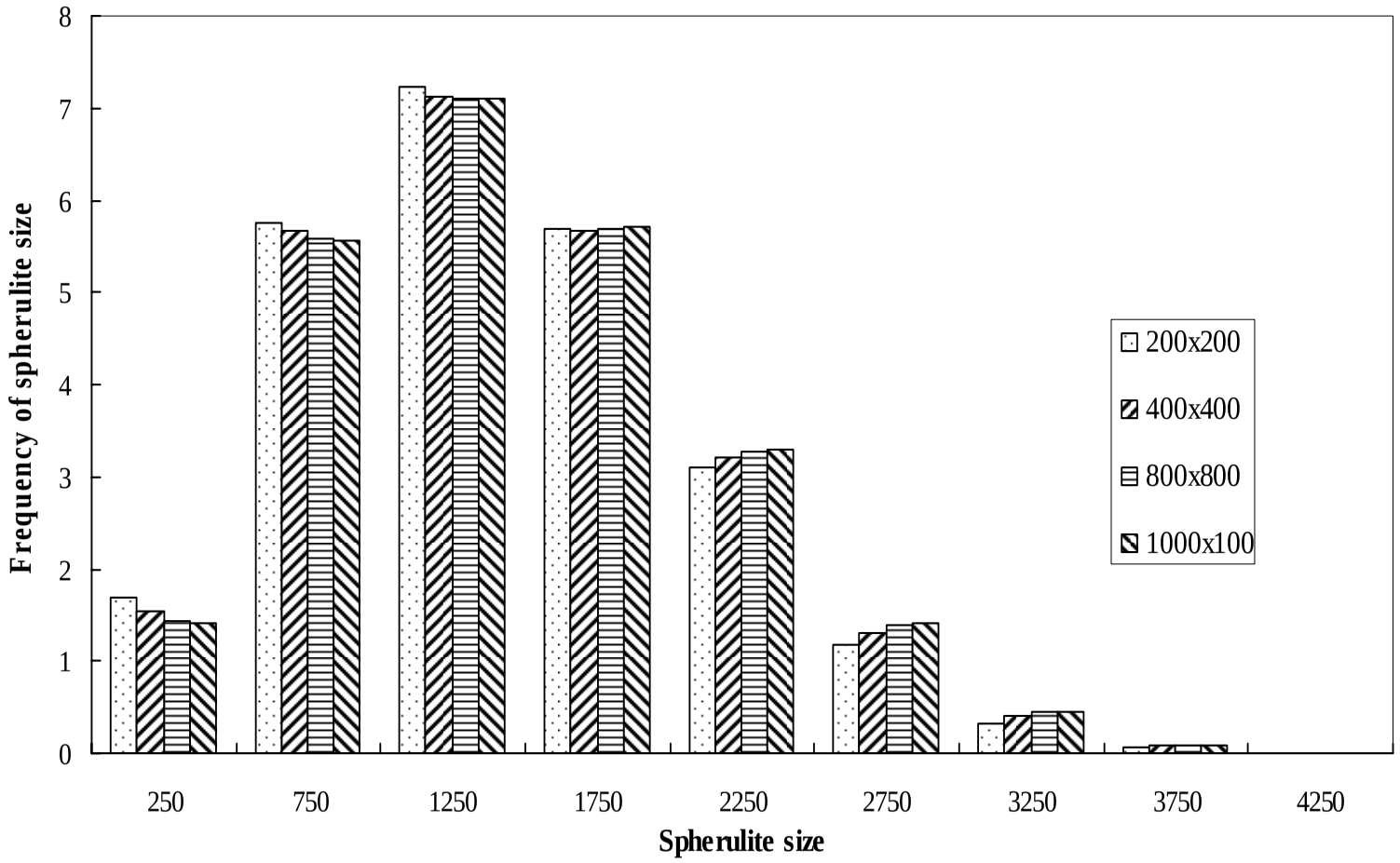
To test the dependencies on the number of run and the mesh size, the Monte Carlo simulations for describing morphological development during isothermal crystallization were performed at various numbers of runs and at various mesh sizes. It was found that a minimum of 10 runs and 5000 runs are necessary to obtain reliable crystallization kinetics and distribution of spherulite size, respectively (see Figure A1 and A2). The mesh size of 800x800 pixels is sufficient to obtain reliable distribution of spherulite size and the end effect is negligible (see Figure A3).



Appendix Figure A1 Relative crystallinity as a function of time obtained from different numbers of run.



Appendix Figure A2 Frequency of spherulites size at time 36 and various numbers of runs.



Appendix Figure A3 Frequency of spherulites size at time 36 and various mesh sizes.