**8nd International Conference on Physical and Numerical Simulation of Materials Processing, ICPNS’16**

**Seattle Marriott Waterfront, Seattle, Washington, USA, October 14-17, 2016**

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# ABSTRACT

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**Keywords**: Aluminum, Solidification, Eutectics

1. INTRODUCTION

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Place figures like this:

***Figure 1*** *With figures centered in columns like this at different w/s ratio after 7, 14 and 28 days. Figure number is bold. Be sure figure will work in grayscale.*

And Tables like this:

**Table 1** Table number is also bold. Run time comparison of ode15s and SIM using different time and space step sizes.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Space step *dz* (cm)** | **time step, *dt* (d)** | **ode15s run time****(s)** | **SIM run time (s)** | **SIM time as % ode15s time** | ***εr*** |
| 2 | 1/500 | 1.13 | 0.15 | 13.7% | 6.41% |
| 2 | 1/1000 | 1.22 | 0.33 | 26.9% | 3.20% |
| 2 | 1/2000 | 1.25 | 0.67 | 53.8% | 1.59% |
| 2 | 1/5000 | 1.34 | 1.64 | 122.0% | 0.61% |
| 1 | 1/500 | 4.18 | 0.26 | 6.1% | 13.26% |
| 1 | 1/1000 | 4.08 | 0.48 | 11.9% | 4.02% |
| 1 | 1/2000 | 4.13 | 0.99 | 24.0% | 1.99% |
| 1 | 1/5000 | 4.22 | 2.45 | 58.1% | 0.77% |

And continue through to the end of the paper. With references entered in the in the text in APA style as (Brew & Glasser, 2005) and listed in the references as:

# REFERENCES

Brew, D. R. M., & Glasser, F. P. (2005). Synthesis and characterisation of magnesium silicate hydrate gels. *Cement and Concrete Research, 35*(1), 85-98.

Milestone, N. B. (2006). Reactions in cement encapsulated nuclear wastes: Need for toolbox of different cement types. *Advances in Applied Ceramics, 105*(1), 13-20.