

As Much As You Want: Resilience in Legion

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Abstract. ...

Keywords: resilience

1 Introduction

2 Resilience Policy

3 Interaction of Resilience Policy with Legion Features

4 Implementation

5 Experiments

5.1 local recover vs global recovery

5.2 compute/comm vs no-failure/single failure/multi-failure

5.3 S3D, Pennant, Stencil, Circuit

6 Resilience Application: Speculation

7 Mapper-guided Policies

7.1 UT Austin

8 Related Work

9 Conclusion

References

1. Clarke, F., Ekeland, I.: Nonlinear oscillations and boundary-value problems for Hamiltonian systems. Arch. Rat. Mech. Anal. 78, 315–333 (1982)
2. Rabinowitz, P.: On subharmonic solutions of a Hamiltonian system. Comm. Pure Appl. Math. 33, 609–633 (1980)