Semantic Analysis of Advanced Programming Languages

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1 Introduction

2 Conclusion

References

[1] Harley D. Eades III and Aaron Stump. Hereditary substitution for the $\lambda\Delta$-calculus. In Ugo de'Liguoro and Alexis Saurin, editors, Proceedings First Workshop on *Control Operators and their Semantics,* Eindhoven, The Netherlands, June 24-25, 2013 , volume 127 of *Electronic Proceedings in Theoretical Computer Science*, pages 45–65. Open Publishing Association, 2013.

[2] Harley D. Eades III and Aaron Stump. Hereditary substitution for stratified system f. *Proof-Search in Type Theories (PSTT)*, 2010.

[3] Garrin Kimmell, Aaron Stump, Harley D. Eades III, Peng Fu, Tim Sheard, Stephanie Weirich, Chris Casinghino, Vilhelm Sjoberg, Nathan Collins, and Ki Yung Ahn. Equational reasoning about programs with general recursion and call-by-value semantics. *Programming Languages Meets Program Verifcation (PLPV)*, 2012.

[4] Garrin Kimmell, Aaron Stump, Harley D. Eades III, Peng Fu, Tim Sheard, Stephanie Weirich, Chris Casinghino, Vilhelm Sjoberg, Nathan Collins, and Ki Yung Ahn. Equational reasoning about programs with general recursion and call-by-value semantics. *Special issue of Progress in Informatics*, March 2013.

[5] Vilhelm Sjoberg, Chris Casinghino, Ki Yung Ahn, Nathan Collins, Harley D. Eades III, Peng Fu, Garrin Kimmell, Tim Sheard, Aaron Stump, and Stephanie Weirich. Irrelevance, heterogeneous equality, and call-by-value dependent type systems. In James Chapman and Paul Blain Levy, editors, Proceedings Fourth Workshop on *Mathematically Structured Functional Programming,* Tallinn, Estonia, 25 March 2012, volume 76 of *Electronic Proceedings in Theoretical Computer Science*, pages 112–162. Open Publishing Association, 2012.

[6] Aaron Stump, Harley Eades, and Ryan McCleary. Extended abstract: Reconsidering intuitionistic duality. Control Operators and their Semantics 2013, June 2013.

[7] Aaron Stump, Andrew Reynolds, Cesare Tinelli, Austin Laugesen, Harley D. Eades III, Corey Oliver, and Ruoyu Zhang. Lfsc for smt proofs: Work in progress. *Proof Exchange for Theorem Proving (PxTP)*, 2012.