Conclusion

Summary

Fundamentals of theory of strings

   Theory of word equations

   Decidability of practical fragments with complex constraints

String solving strategies

   Regular constraint propagation   Nielsen transformation

   Parikh images of regular languages   Monadic decomposition
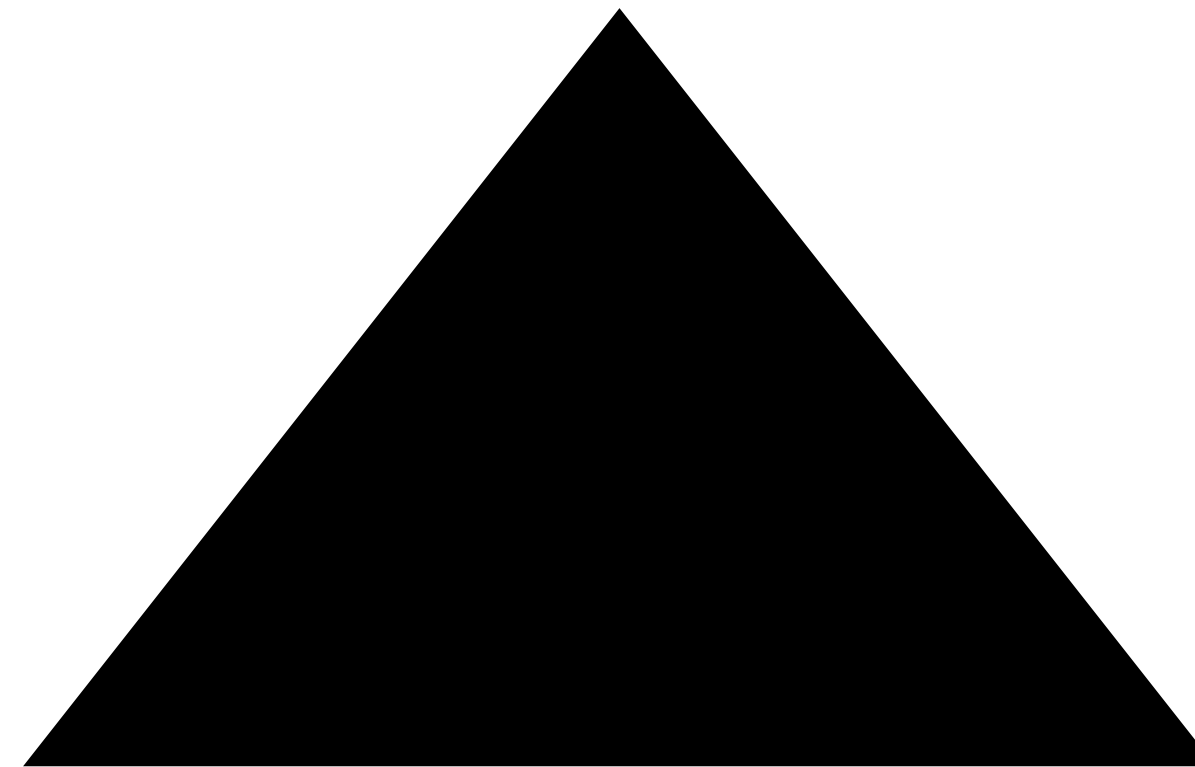
Getting started with OSTRICH

Challenges

Theory

Admitting other string operations

Sequences

Decidability of larger fragments

Applications

Interfacing solvers & applications

Richer input format (complex functions)

Certified proofs of unsatisfiability

Implementations

Scalability

Robustness

Representative benchmarks

Thanks!!

Please give us feedbacks on tutorials at