



SoftVarE – Thesis Topics of Paul Bittner

Evolution of Variability in Source Code

About Me

My name is Paul

2014 - 2020: Study Computer Science in Braunschweig

Since then: PhD student at SP in Ulm

My research is about

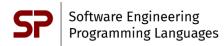
... evolution of variability in source code,

... formal languages for variability.



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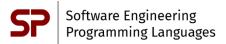




Variability in Source Code

```
#if A
  foo;
  lol;
#else
  bar;
  lol;
#endif
```

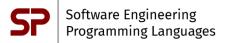




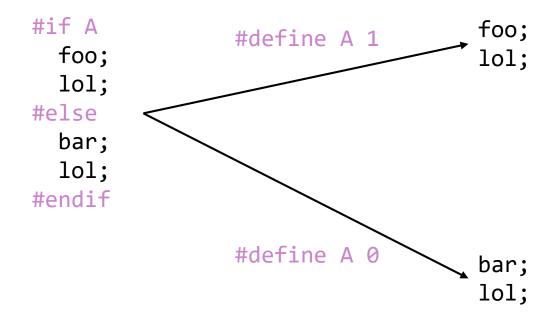
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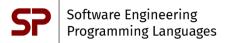




Variability in Source Code

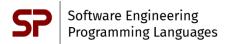






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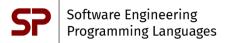




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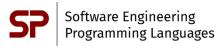
```
foo;
#else
bar;
#endif
lol;
```

#if A

```
A\langle foo;lol; , bar;lol; \rangle
```

$$A\langle$$
 foo; , bar; \rangle lol;





```
#if A
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  lol;
#else
  bar;
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#endif
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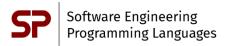
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    bar;
#endif
lol;
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 foo;lol; , bar;lol; \rangle



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 foo; , bar; \rangle lol;





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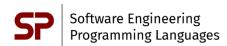
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#endif
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 foo;lol; , bar;lol; \rangle



$$A\langle$$
 foo; , bar; \rangle lol;





```
#if A
                                                              #if A
             foo;
                                                                 foo;
             lol;
                                                              #else
           #else
                                                                 bar;
             bar;
                                                              #endif
             lol;
                                                               lol;
           #endif
A\langle foo; lol; , bar; lol; \rangle
                                                       A\langle foo; , bar; \rangle lol;
```



