

Influence of programming style in transformation bad smells: Mining of ETL Repositories

Nicolás Bonet^{1a}, Kelly Garcés^{1a}, Rubby Casallas^{1a}, María Elsa Correal^{1b}, and
Ran Wei²

¹ Universidad de los Andes, Bogota D.C. Colombia, School of Engineering.
Department of Systems and Computing Engineering^a and Departament of Industrial
Engineering^b

{n.bonet2476, kj.garcés971, rcasalla, mcorreal}@uniandes.edu.co

² The University of York. UK. Department of Computer Science
{ran.wei}@cs.york.ac.uk

References

A Annexed

```
operation HTML!HTMLElement
removeStyle(pKey : Any) : Boolean{
  var found = false;
  for(style in self.styles){
    if(style.key == pKey){
      self.styles.remove(style);
      found = true;
    }
  }
  return found;
}
```

Listing 1.1. Restructuring: Imperative filtering

```
rule HTMLTable2NewsletterTable
transform
  htmlTable : HTML!Table
to
  table: Newsletter!Table{

    for(row in htmlTable.trs)
    {
      var newRow = new Newsletter!Row;
      ...
    }
  }
```

Listing 1.2. OCL Optimization: Imperative element creation in loops