

Tricky Case: Products

```
instance (GProductHasField field f g a (Contains field f)) ⇒  
    GHasField field (f :: g) a where  
    gfield = gproductField @field @_ @_ @ (Contains field f )
```

```
instance GHasField field l a  
    ⇒ GProductHasField field l r a 'True where  
    gproductField = first <◦> gfield @field
```

```
instance GHasField field r a  
    ⇒ GProductHasField field l r a 'False where  
    gproductField = second <◦> gfield @field
```

More!

- generic-lens - a library which implements the paper
- Prisms
- Better Error Messages using TypeErrors
- Performance Evaluation
- Reflections on building an API around type applications