

ÖGOR Summer-Workshop for PhD-candidates and Post-Docs

An introduction to Julia and JuMP for Operations Research

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Session 11

Data structure

Composite structures



Composite structures (1/4)

Defining a structure:

```
mutable struct Mystructure
    var1
    var2::type           # var2 must be of type type
end
```

```
julia> mutable struct MyOwnStruc
    x
    y::Float64
end
```

if the `mutable` keyword is omitted

⇒ object is not mutable i.e. its fields can no be changed

Composite structures (1/4)

Constructing an object by initialising it:

```
julia> myObject = MyOwnStruc("something", 3.1415)
```

Accessing to the field of an object:

```
julia> field1 = myObject.x                # "something"
```

Not more on this topic for this course
but
many many things to say on the topic

Review and exercises

(notebook)

