

Herbert Breunung

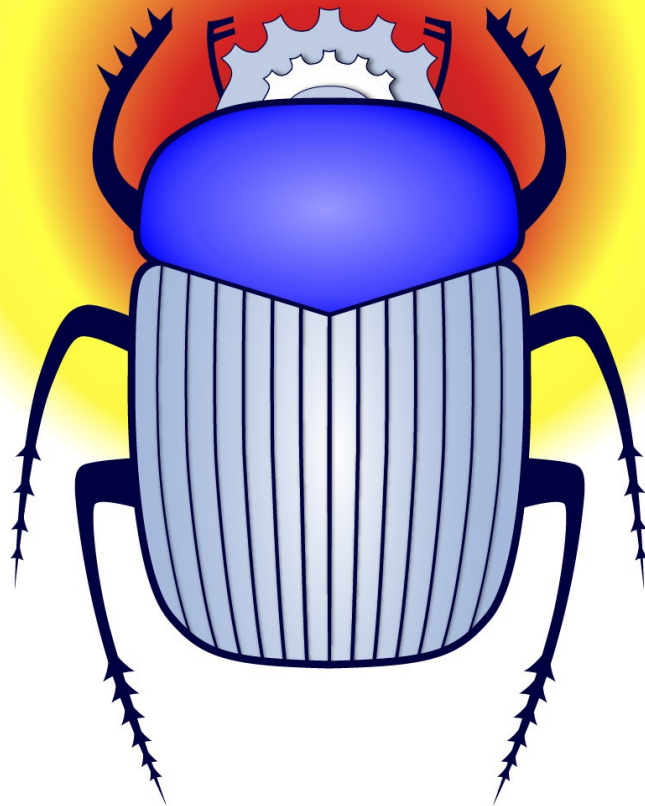
releasing
a P6 module

Herbert Breunung

write moderate

speak program

no comment



P6::Math::Matrix



P6::Math::Matrix

Aus dem Leben
eines Perl 6
Modulautors

Perl 6 Modulautor

1. P6 Distro

2. P6M6 PBP

3. P6 diff

P6 Module

7 Core

1195 Σ

all explained

modules.perl6.org

docs.perl6.org

/language/testing

create a module

modules.perl6.org

Hosting

Github → CPAN

312 results

modules.perl6.org/
search/
?q=from:cpan

Distribution Development Tool

quick start with
ddt

use App::Mi6

mi6 new

Module::Name

green = important

/t

/lib

/bin

/doc

/util

orange == optional

/t

/lib

/bin

/hooks

/examples

files

/CHANGELOG.md

/LICENSE

/META6.json

/README.md

/.travis.yml

/.appveyor.yml

/dist.ini

files

/lib/Math/Matrix.pm6

/lib/Math/Matrix.pod

/LICENSE

/META6.json

/README.md

version und source

```
unit class Math::Matrix  
:ver<0.2.0>  
:auth<github:pierre-vigier>;
```

LICENSE

The Artistic License 2



.travis.yml

language: perl6

perl6:

- latest

install:

- rakudobrew build zef
- zef install --deps-only .
- zef install Test::META

.travis.yml

script:

- PERL6_TEST_META=1

PERL6LIB=\$PWD/lib prove

-e perl6 -r t/

sudo: false

.appveyor.yml

os: Visual Studio 2015

platform: x64

install:

- "C:\Program Files\Microsoft SDKs\Windows\v7.1\Bin\SetEnv.cmd" /x64'
- choco install strawberryperl
- SET PATH=C:\strawberry\c\bin;C:\strawberry\perl\site\bin;C:\strawberry\perl\bin;
%PATH%
- git clone https://github.com/tadzik/rakudobrew %USERPROFILE%\rakudobrew
- SET PATH=%USERPROFILE%\rakudobrew\bin;%PATH%
- rakudobrew build moar 2017.06
- rakudobrew build zef
- cd %APPVEYOR_BUILD_FOLDER%
- zef --verbose --deps-only install .

build: off

test_script:

- prove -v -e "perl6 -llib" t/

shallow_clone: true

dist.ini

name = App-Mi6

[ReadmeFromPod]

filename = lib/App/Mi6.pm6

[PruneFiles]

match = ^ 'xt/'

run locally 2

zef test .

run locally 2

zef test .

prove --exec perl6

README.md



CHANGELOG.md

.....

META6.json

[http://design.perl6.org/
S22.html#META6.json](http://design.perl6.org/S22.html#META6.json)

META6.json

auth authors description
depends emulates license
name perl production
provides resources source-
url supersedes superseded-
by support tags test-
depends version

META6.json

```
{  
  "perl"      : "6.c",  
  "name"     : "Math::Matrix",  
  "license"  : "Artistic-2.0",  
  "version"  : "0.2.0",  
  "description" : "...",  
}
```

META6.json

```
depends : [ "AttrX::Lazy" ],  
  
"source-url" :  
"git://github.com/pierre-  
vigier/Perl6-Math-Matrix.git"
```

META6.json

```
"authors" : [  
  "github:...",  
  "github:lichtkind"  
],
```


META6.json

```
“provides” : {  
  “Math::Matrix” :  
    “lib/Math/Matrix.pm6”,
```

META6.json

```
“resources” : [  
  “config.json”,  
  “scripts/clean.pl”, ]
```

META6.json

```
“tags” : [“Math”, ]
```

Tests: `/t/* .t`

```
use Test;
```

```
use Math::Matrix;
```

```
plan 1;
```

```
ok $m.cell(0,0) == 4, "...";
```

test groups

```
use Test;  
plan 1;  
subtest {  
    plan 12;  
    ...  
}, "Thema";
```

Test::Exception

```
use Test;
```

```
use Math::Matrix;
```

```
plan 1;
```

```
dies-ok { ... } , "Fehler...";
```

Test.pm

plan done-testing bail-out todo
skip skip-rest diag subtest pass
flunk ok nok cmp-ok is is-deeply
isnt is-approx like unlike use-ok
isa-ok does-ok can-ok dies-ok
lives-ok eval-dies-ok
eval-lives-ok throws-like

other /t modules

plan done-testing bail-out todo
skip skip-rest diag subtest pass
flunk ok nok cmp-ok is is-deeply
isnt is-approx like unlike use-ok
isa-ok does-ok can-ok **dies-ok**
lives-ok **eval-dies-ok**
eval-lives-ok **throws-like**

more /t modules

plan done-testing bail-out todo
skip skip-rest diag subtest pass
flunk ok nok cmp-ok is is-deeply
isnt is-approx like unlike use-ok
isa-ok does-ok can-ok dies-ok
lives-ok eval-dies-ok
eval-lives-ok throws-like

Test::META

use it

Test Module

Test::META

Test::When

Test::Output

Test::IO::Socket

Test::Util::ServerPort

Test Module

Test::Mock

Test::Lab

TestML

use zef

zef install Math::Matrix

get current commit

zef install Math::Matrix
--force

Danke

FIN

lichtkind.de/vortrag