

Hamiltonian Gauge Gravity Surveyor (HiGGS)

Source notebook for the package file

```
In[ ]:= xAct`HiGGS`$Version = {"2.2.1", {2022, 2, 1}};
```

Initialisation

GPL

Package Information

Package

Require contexts from the rest of xAct:

```
In[ ]:= BeginPackage["xAct`HiGGS`",  
  {"xAct`xTensor`", "xAct`xPerm`", "xAct`xCore`", "xAct`xTras`"}];
```

Continually scroll to the last line of the evaluation:

```
In[ ]:= SetOptions[$FrontEndSession, EvaluationCompletionAction -> "ScrollToOutput"];
```

Welcome message:

```
In[ ]:= Print["Package xAct`HiGGS` version ", $Version[[1]], ", ", $Version[[2]]];  
Print["CopyRight (C) 2005-2018, Will  
  E. V. Barker, under the General Public License."];  
Print[xAct`xCore`Private`bars];  
Print["This version of HiGGS is an open source dependent  
  of the xAct bundle, but not an official part thereof."];  
Print[xAct`xCore`Private`bars];
```

Build the main HiGGS package binary:

```
(**)
ActiveCellTags = {"build", "cache"};
NotebookEvaluate[NotebookDirectory[] <> "/HiGGS_sources.nb",
  EvaluationElements -> "Tags" -> ActiveCellTags];
Print["The context on quitting HiGGS.nb is ", $Context "."];
Quit[];
(**)
```

Load the main HiGGS package binary:

```
Get["xAct/HiGGS/bin/HiGGS.mx"];
Print[$Context];
```

Private