

oomph::TimeStepper

```
classDiagram
    class oomph_TimeStepper["oomph::TimeStepper"]
    class oomph_Steady_0["oomph::Steady< 0 >"]
    class oomph_BDF_NSteps["oomph::BDF< NSteps >"]
    class oomph_GeneralisedTimeStepper["oomph::GeneralisedTimeStepper"]
    class oomph_IMRBase["oomph::IMRBase"]
    class oomph_Newmark_NSteps["oomph::Newmark< NSteps >"]
    class oomph_PeriodicOrbitTimeDiscretisation["oomph::PeriodicOrbitTimeDiscretisation"]
    class oomph_Steady_NSteps["oomph::Steady< NSteps >"]
    class oomph_TR["oomph::TR"]

    oomph_TimeStepper <|-- oomph_Steady_0
    oomph_TimeStepper <|-- oomph_BDF_NSteps
    oomph_TimeStepper <|-- oomph_GeneralisedTimeStepper
    oomph_TimeStepper <|-- oomph_IMRBase
    oomph_TimeStepper <|-- oomph_Newmark_NSteps
    oomph_TimeStepper <|-- oomph_PeriodicOrbitTimeDiscretisation
    oomph_TimeStepper <|-- oomph_Steady_NSteps
    oomph_TimeStepper <|-- oomph_TR
```

A UML class diagram illustrating the inheritance hierarchy for the `oomph::TimeStepper` class. The base class, `oomph::TimeStepper`, is located at the top left. A vertical line with an upward-pointing arrow at the top represents the inheritance path. Eight subclasses are listed to the right of this line, each in its own box. Horizontal lines connect each subclass box to the vertical inheritance line. The subclasses, from top to bottom, are: `oomph::Steady< 0 >`, `oomph::BDF< NSteps >`, `oomph::GeneralisedTimeStepper`, `oomph::IMRBase`, `oomph::Newmark< NSteps >`, `oomph::PeriodicOrbitTimeDiscretisation`, `oomph::Steady< NSteps >`, and `oomph::TR`. The boxes for `oomph::GeneralisedTimeStepper`, `oomph::IMRBase`, and `oomph::Newmark< NSteps >` have a small black triangle in the bottom right corner.

oomph::Steady< 0 >

oomph::BDF< NSteps >

oomph::GeneralisedTimeStepper

oomph::IMRBase

oomph::Newmark< NSteps >

oomph::PeriodicOrbitTimeDiscretisation

oomph::Steady< NSteps >

oomph::TR