**milliAmpere 1 (mA1) - WAMIT**

**1. Input Data**

**1.1 Mesh name and dimensions**

* “ma1.gdf”
* Length: 5m
* Width: 0.28m
* Draft: 0.2m

**1.2 Input parameters and problem scope**

* Radiation and diffraction, equations of motion and mean drift forces.
* 6 degrees of freedom.
* Infinite water depth
* Water density: 1000 kg/ m³.

#### 1.3 Environmental Conditions

* Range of period: from 0.3s to 3s with a 0.05s increment.
* Direction of incident waves: from 0deg to 180deg with a 10deg increment.

**1.4 Mass matrix**

* , ,
* , , .
* , .
* M=1800kg