

境界条件一覧

```
[U]
dimensions      [0 1 -1 0 0 0];
internalField   uniform (0.15 0 0);
boundaryField
{
  bottom1
  {
    type        noSlip;
  }
  bottom2
  {
    type        cyclic;
  }
  bottom3
  {
    type        cyclic;
  }
  inlet
  {
    type        mapped;
    field       U;
    setAverage  true;
    average     (0.15 0 0);
    interpolationScheme cell;
    value       uniform (0.15 0 0);
  }
  Outlet
  {
    type        zeroGradient;
  }
  symFront
  {
    type        symmetryPlane;
  }
}
```

```
symback
{
  -type      symmetryPlane;
}
top1
{
  type      noSlip;
}
top2
{
  type      cyclic;
}
top3
{
  type      cyclic;
}
wing1
{
  type      noSlip;
}
wing2
{
  type      noSlip;
}
}
```

```
[P_rgh]
dimensions      [1 -1 -2 0 0 0];
internalField   uniform 0;
boundaryField
{
  bottom1
  {
    type          zeroGradient;
  }
  bottom2
  {
    type          cyclic;
  }
  bottom3
  {
    type          cyclic;
  }
  inlet
  {
    type          zeroGradient;
  }
  outlet
  {
    type          fixedValue;
    value         uniform 0;
  }
  symFront
  {
    type          symmetryPlane;
  }
  symback
  {
    type          symmetryPlane;
  }
  top1
  {
```

```
type      zeroGradient;
}
top2
{
type      cyclic;
}
top3
{
type      cyclic;
}
wing1
{
type      zeroGradient;
}
wing2
{
type      zeroGradient;
}
```

```
[k]
dimensions      [0 2 -2 0 0 0];
internalField   uniform 0;
boundaryField
{
  bottom1
  {
    type          fixedValue;
    value         uniform 0;
  }
  bottom2
  {
    type          cyclic;
  }
  bottom3
  {
    type          cyclic;
  }
  inlet
  {
    type          mapped;
    field         k;
    setAverage    false;
    average       0;
    interpolationScheme cell;
    value         uniform 0;
  }
  outlet
  {
    type          zeroGradient;
  }
  symFront
  {
    type          symmetryPlane;
  }
  symback
```

```
{
  type      symmetryPlane;
}
top1
{
  type      fixedValue;
  value     uniform 0;
}
top2
{
  type      cyclic;
}
top3
{
  type      cyclic;
}
wing1
{
  type      fixedValue;
  value     uniform 0;
}
wing2
{
  type      fixedValue;
  value     uniform 0;
}
}
```

```
[nut]
dimensions      [0 2 -1 0 0 0 0];
internalField   uniform 0;
boundaryField
{
  bottom1
  {
    type          fixedValue;
    value         uniform 0;
  }
  bottom2
  {
    type          cyclic;
  }
  bottom3
  {
    type          cyclic;
  }
  inlet
  {
    type          mapped;
    field         nut;
    setAverage    false;
    average       0;
    interpolationScheme cell;
    value         uniform 0;
  }
  outlet
  {
    type          zeroGradient;
  }
  symFront
  {
    type          symmetryPlane;
  }
  symback
```

```
{
  type      symmetryPlane;
}
top1
{
  type      fixedValue;
  value     uniform 0;
}
top2
{
  type      cyclic;
}
top3
{
  type      cyclic;
}
wing1
{
  type      fixedValue;
  value     uniform 0;
}
wing2
{
  type      fixedValue;
  value     uniform 0;
}
}
```