Gauss-Lobatto distribution

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Description:

Symmetric function with an extremum.
Cell size is refined at left and right tips of the segment.

Namelist:

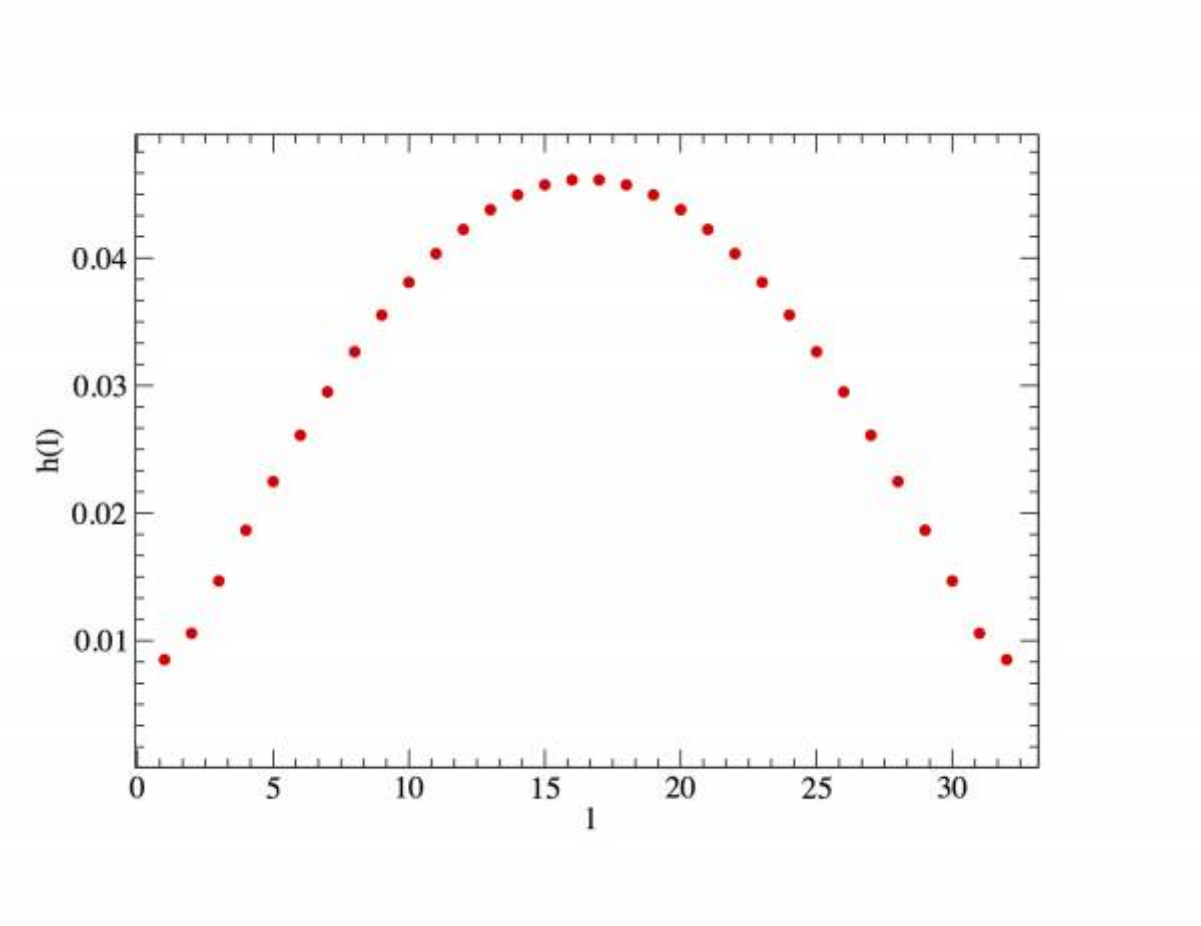
```
&MESH_FUNCTION_DATA  Function_Name="GAUSS_LOBATTO"  ,
                     Number_of_Cells= 32   Length= 1.0
                     Reverse_Ordering= .false. /
```

Cell size distribution h(l) :

L is the Length
N is the Number_of_Cells
$x(l)$ is the coordinate.
$h(l)$ is the cell size.

\begin{align*} x(l)&=\frac{1}{2}L(1 - \cos(\frac{l-1 \cdot \pi}{N})), 1 \leq l \leq N+1\\ h(l)&= x(l+1)-x(l) \end{align*}

l is the cell index.



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