

```

/*-----*\
|=====|
| \ \ / / F i e l d | OpenFOAM: The Open Source CFD Toolbox
| \ \ / / O p e r a t i o n | Version: 1.7.1
| \ \ / / A n d | Web: www.OpenFOAM.com
| \ \ / / M a n i p u l a t i o n |
\*-----*/
FoamFile
{
    version      2.0;
    format       ascii;
    class        dictionary;
    object       blockMeshDict;
}
// *****

convertToMeters 0.001; // Angaben in [mm]

vertices
(
    (0 0 0) //0
    (800 0 0) //1
    (800 3.5965735977 0.1570297945) //2
    (0 3.5965735977 0.1570297945) //3
    (800 3.5965735977 -0.1570297945) //4
    (0 3.5965735977 -0.1570297945) //5
    (0 3.8463356531 0.1679346414) //6
    (800 3.8463356531 0.1679346414) //7
    (800 3.8463356531 -0.1679346414) //8
    (0 3.8463356531 -0.1679346414) //9
    (0 9.0913388164 0.396936425) //10
    (800 9.0913388164 0.396936425) //11
    (800 9.0913388164 -0.396936425) //12
    (0 9.0913388164 -0.396936425) //13
    (0 9.4410056939 0.4122032106) //14
    (800 9.4410056939 0.4122032106) //15
    (800 9.4410056939 -0.4122032106) //16
    (0 9.4410056939 -0.4122032106) //17
    (0 149.8572332373 6.5429081048) //18
    (800 149.8572332373 6.5429081048) //19
    (800 149.8572332373 -6.5429081048) //20
    (0 149.8572332373 -6.5429081048) //21
    (-100 0 0) //22
    (-100 3.5965735977 0.1570297945) //23
    (-100 3.5965735977 -0.1570297945) //24
    (-100 3.8463356531 0.1679346414) //25
    (-100 9.0913388164 0.396936425) //26
    (-100 9.0913388164 -0.396936425) //27
    (-100 3.8463356531 -0.1679346414) //28
);

blocks
(
    hex (0 1 4 5 0 1 2 3) (100 5 1) simpleGrading (5 1 1) //I 0
    hex (5 4 8 9 3 2 7 6) (100 1 1) simpleGrading (5 1 1) //II 1
    hex (9 8 12 13 6 7 11 10) (100 5 1) simpleGrading (5 1 1) //III 2
    hex (13 12 16 17 10 11 15 14) (100 1 1) simpleGrading (5 1 1) //IV 3
    hex (17 16 20 21 14 15 19 18) (100 40 1) simpleGrading (5 5 1) //V 4
    hex (22 0 5 24 22 0 3 23) (20 5 1) simpleGrading (1 1 1) //VI 5
    hex (28 9 13 27 25 6 10 26) (20 5 1) simpleGrading (1 1 1) //VII 6
);

edges
(
);

patches
(
    patch mainJet
    (
        (22 23 24 22)
    )
);

```

```
patch Pilot
(
    (28 25 26 27)
)
patch coflow
(
    (17 21 18 14)
)
patch outlet
(
    (1 4 2 1)
    (4 8 7 2)
    (8 12 11 7)
    (12 16 15 11)
    (16 20 19 15)
)
wall upperWall
(
    (18 21 20 19)
)
wedge front
(
    (0 1 2 3)
    (3 2 7 6)
    (6 7 11 10)
    (10 11 15 14)
    (14 15 19 18)
    (22 0 3 23)
    (25 6 10 26)
)
wedge back
(
    (0 1 4 5)
    (5 4 8 9)
    (9 8 12 13)
    (13 12 16 17)
    (17 16 20 21)
    (22 0 5 24)
    (28 9 13 27)
)
empty symmetricAxis
(
    (0 1 1 0)
    //(0 22 22 0)
    (22 0 0 22)
)
wall frontInnerNozzle
(
    (5 3 6 9)
)
wall frontPilot
(
    (13 10 14 17)
)
wall mainJetInside
(
    (24 23 3 5)
)
wall pilotInside
(
    (28 25 6 9)
)
wall pilotOutside
(
    (27 26 10 13)
)
);

mergePatchPairs
(
);
```

// ***** //