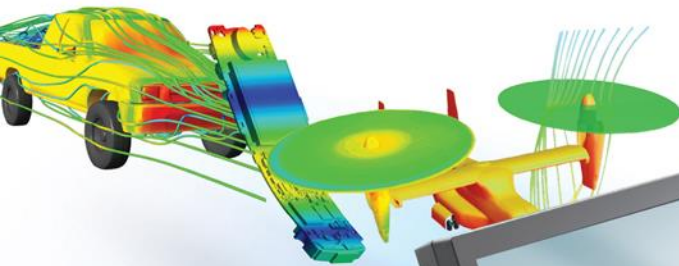




Influence of atmospheric streams on the dispersion of pollutant gases in urban areas



Prof.dr.ing. Florin POPESCU
Dr.ing. Răzvan MAHU
Prof.dr.ing. Ion Ion

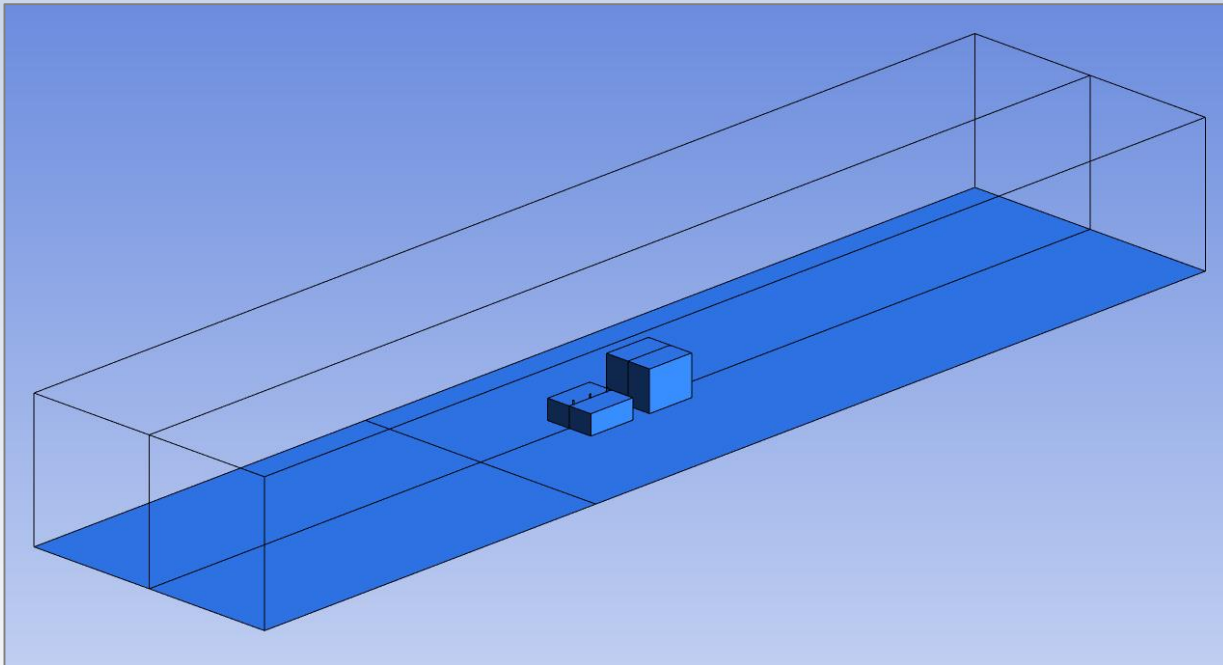


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FACULTATEA DE MECANICĂ

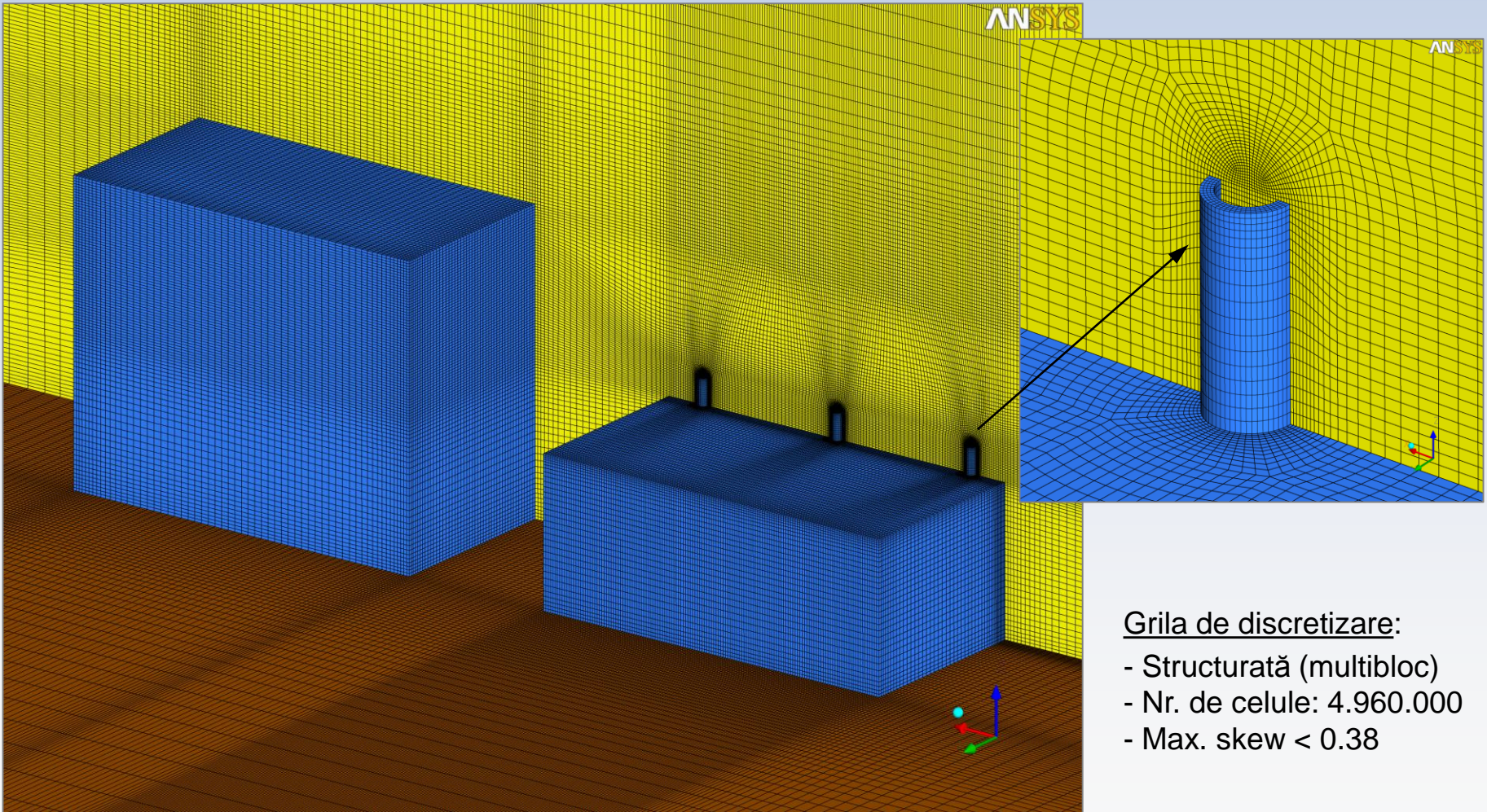
Dispersion în mediul urban



Numerical modeling and simulation – geometry



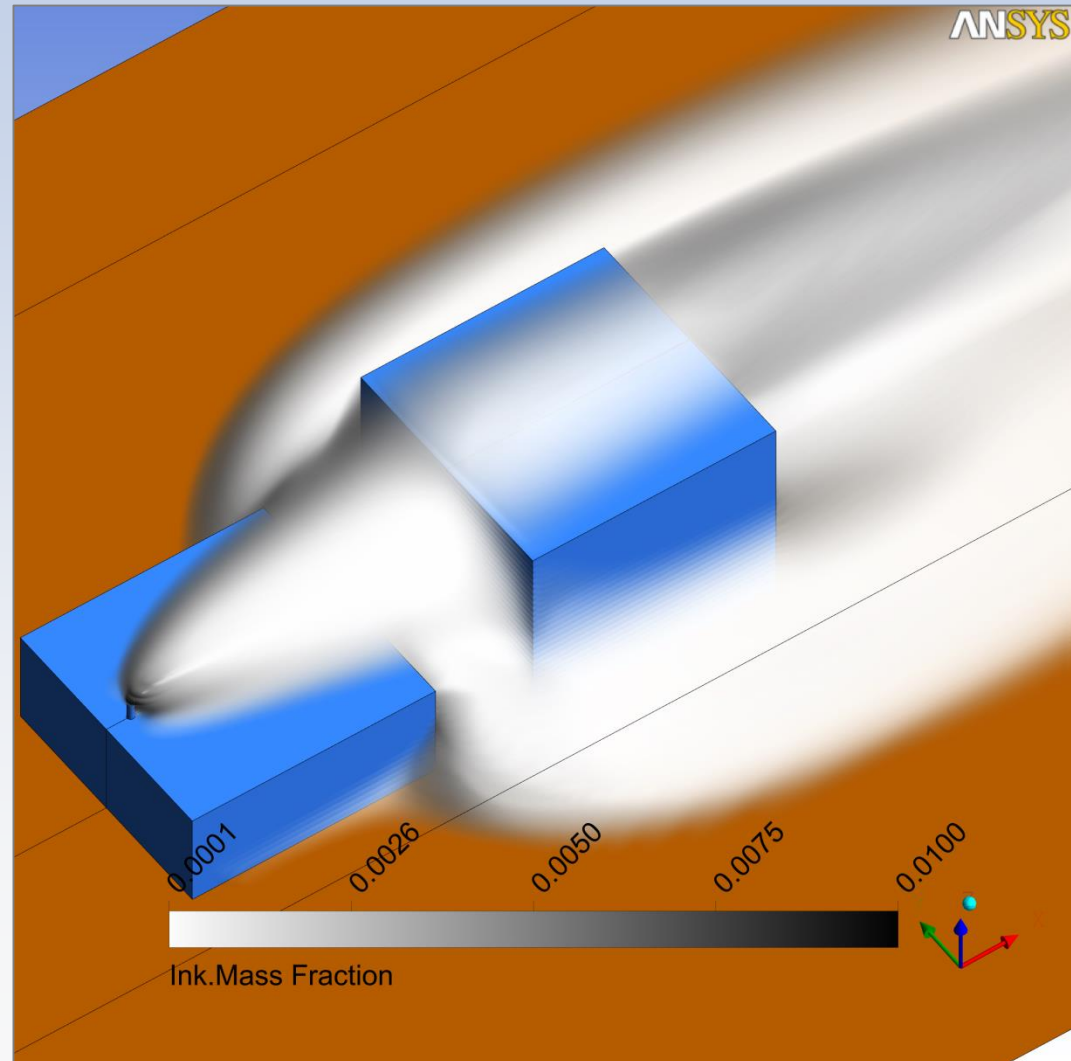
Numerical modeling and simulation – the mesh



Grila de discretizare:

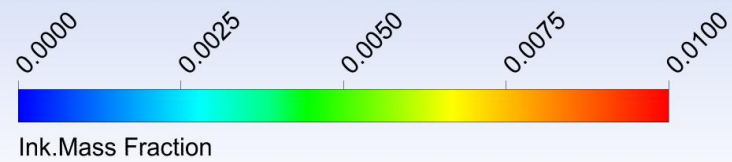
- Structurată (multibloc)
- Nr. de celule: 4.960.000
- Max. skew < 0.38

Results



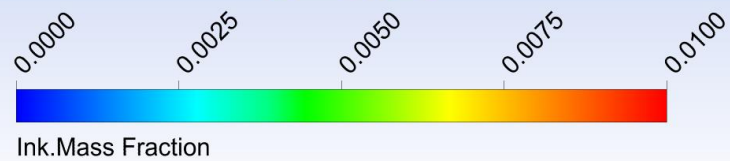
Results

ANSYS



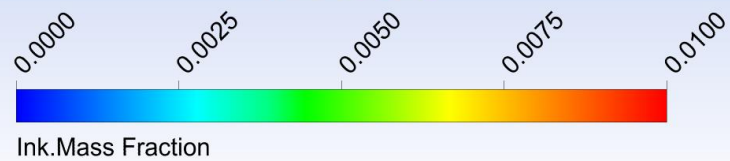
Results

ANSYS



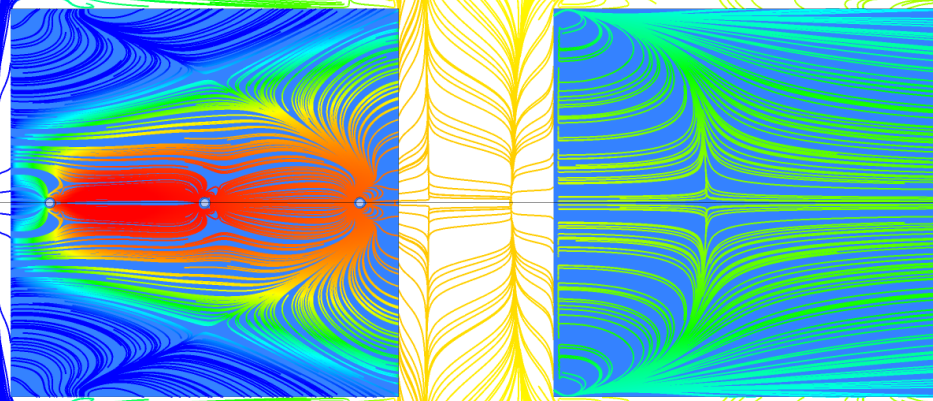
Results

ANSYS



Results

ANSYS



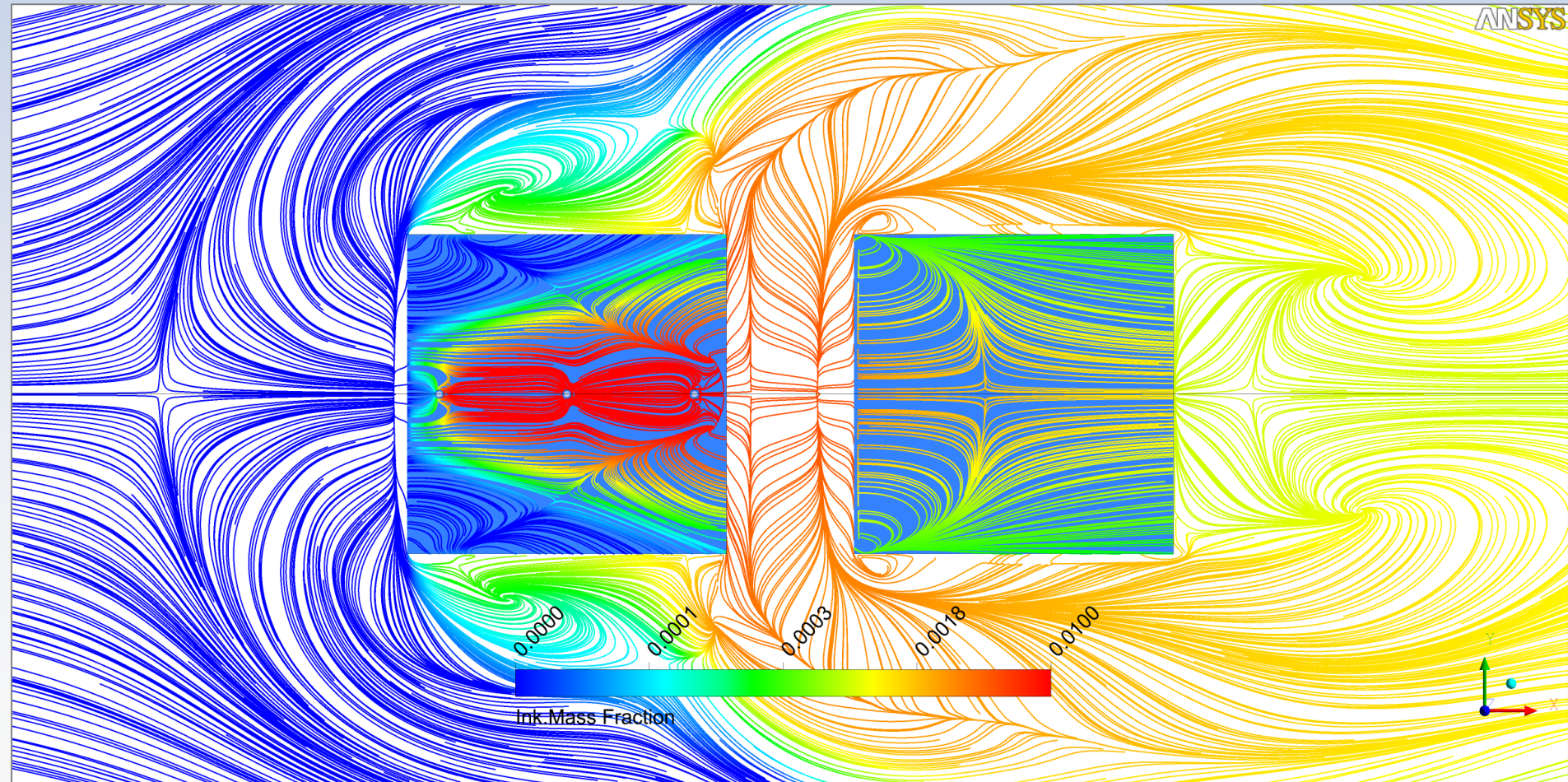
0.0000 0.0001 0.0003 0.0018 0.0100

Ink Mass Fraction



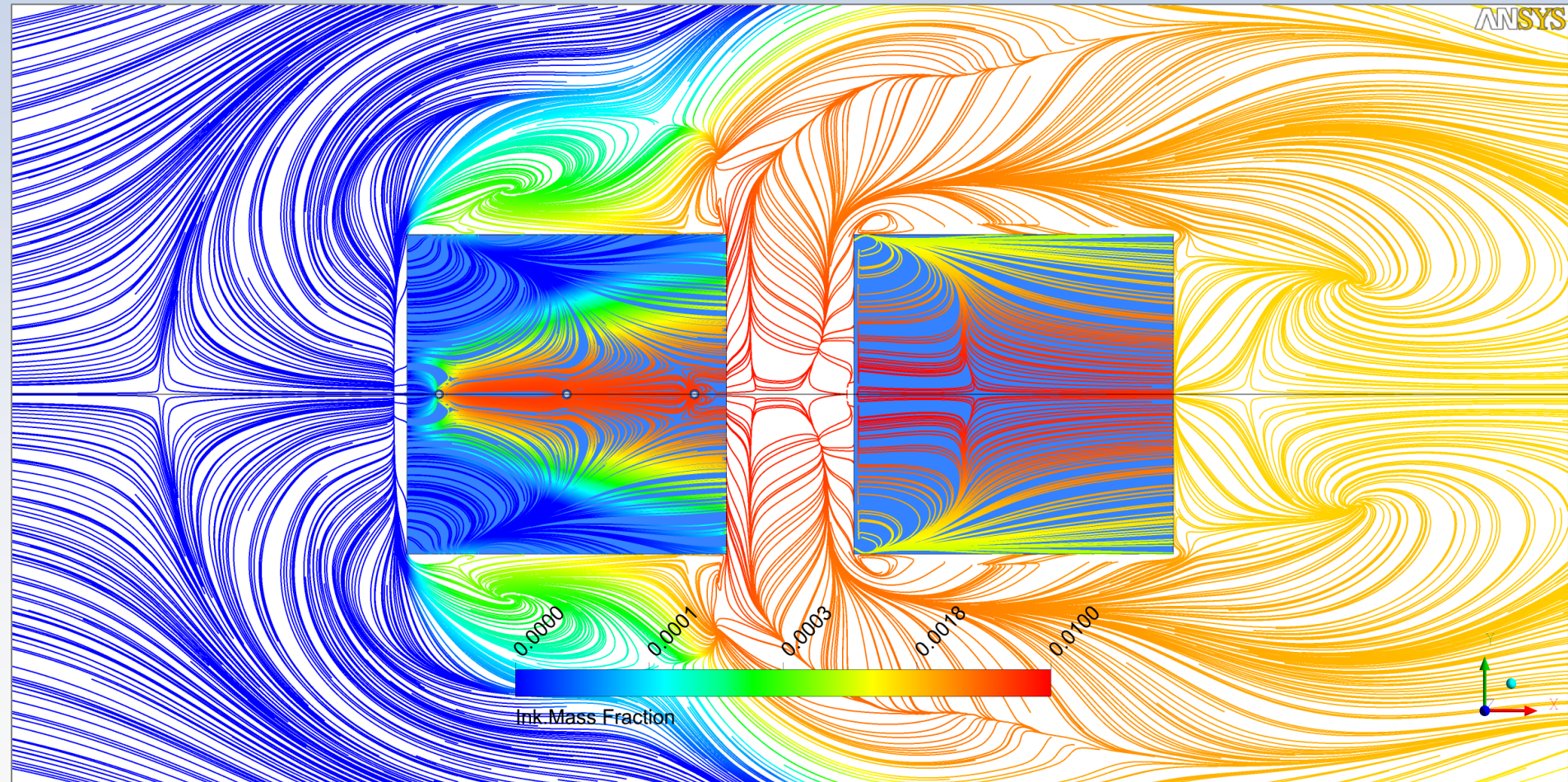
Results

ANSYS



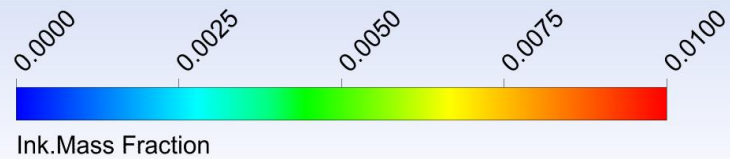
Results

ANSYS



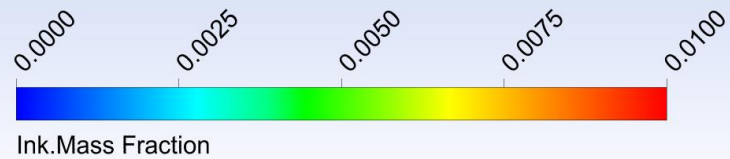
Results

ANSYS



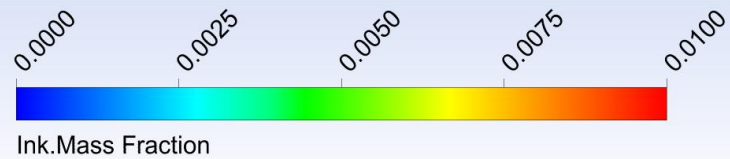
Rezultate (11)

ANSYS



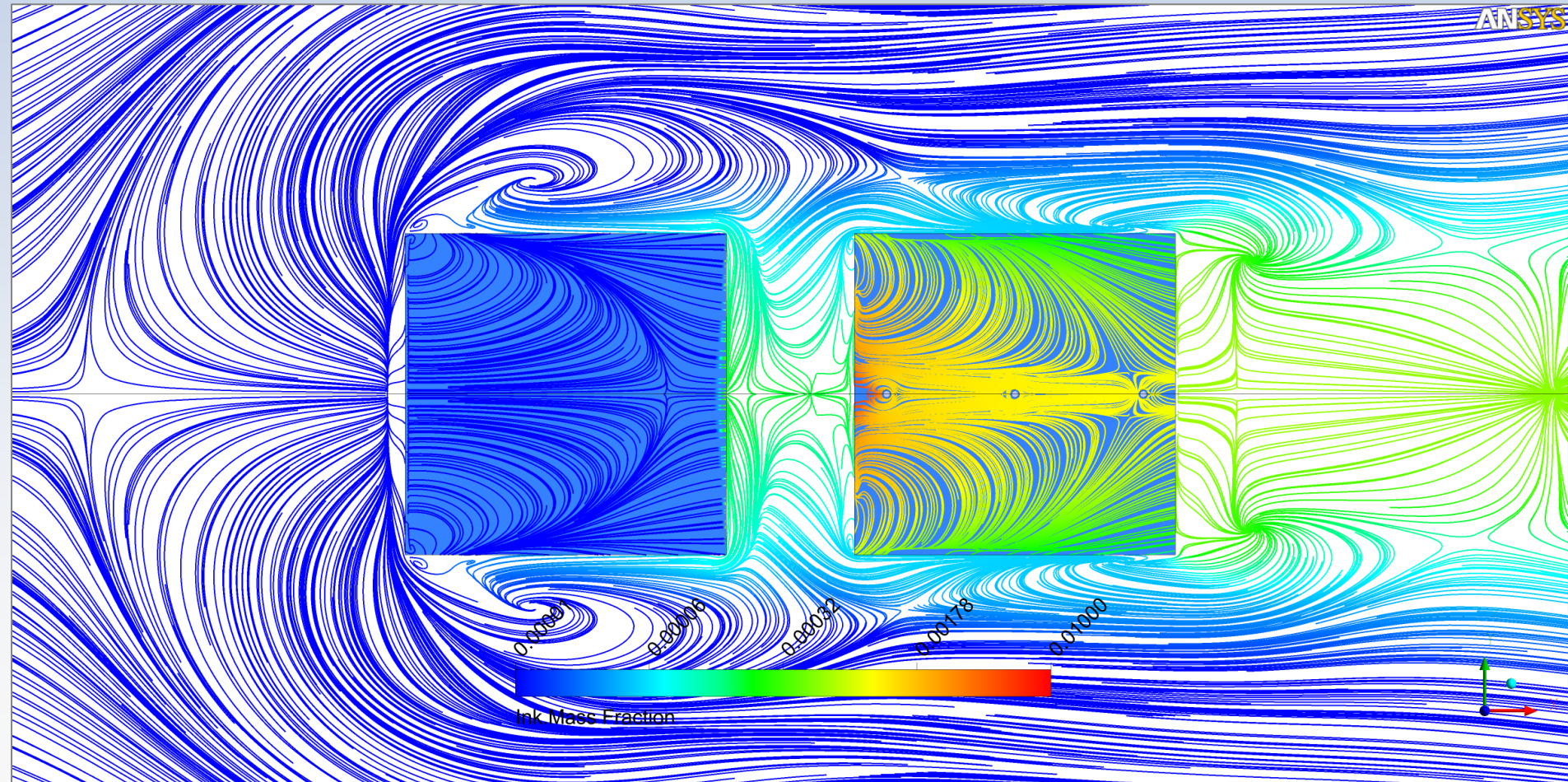
Results

ANSYS



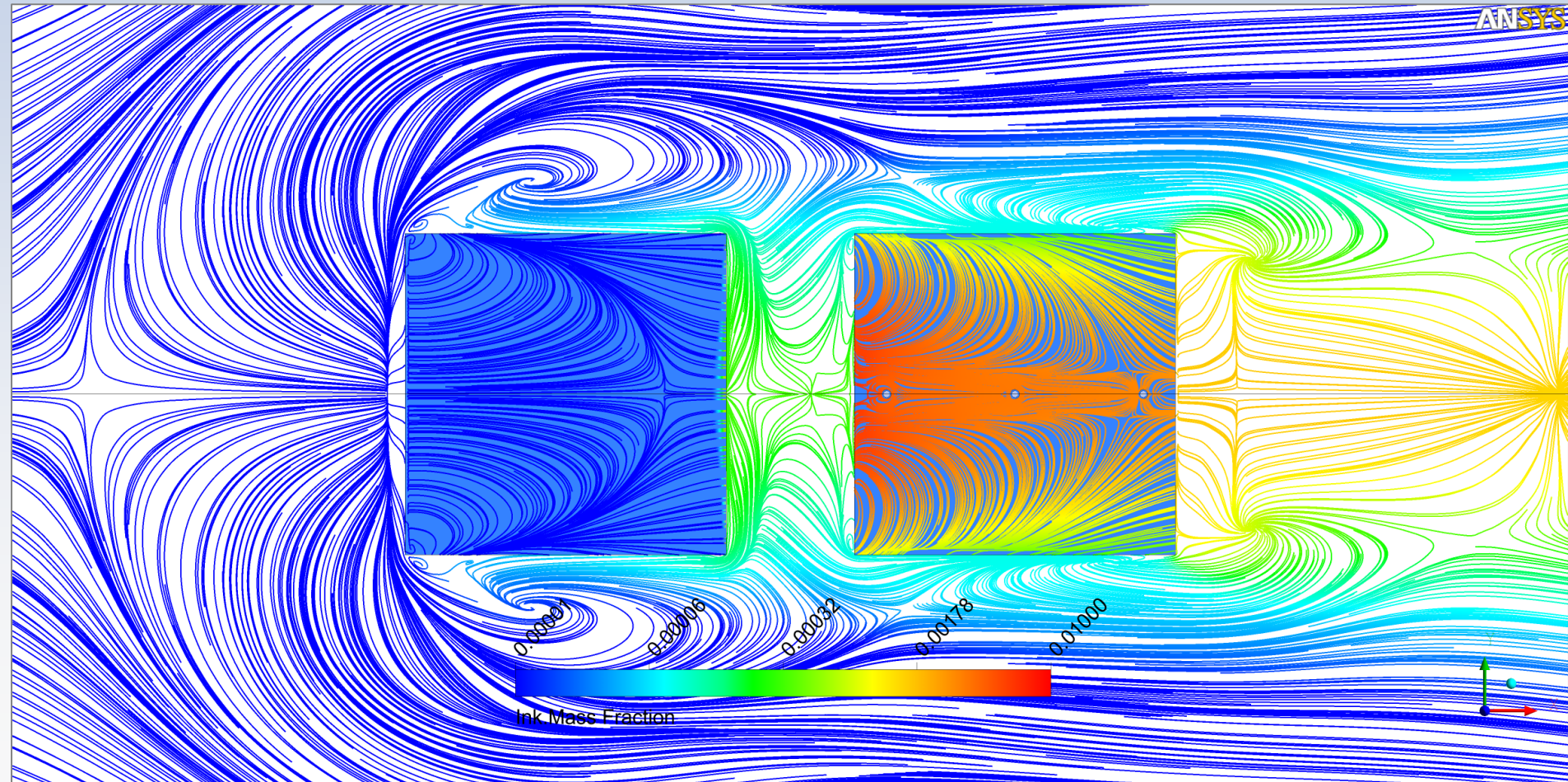
Results

ANSYS



Results

ANSYS



Results

ANSYS

