

Div-Curl decomposition adapted to industrial problems  
In term of complexity and size

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We present an algorithm for div-curl decomposition which has been developed and adapted to large scale problems and industrial complexity: presence of symmetries, ground plane, wires, multiple connexions, feed modelling°

The emphasis is put on :

The limitation of the algorithm complexity versus number of elements,  
minimizing the length of the div-free basis representatives for computational efficiency

Examples of manifolds with various topology will be presented such as torus, holes, structures with T-shape°.

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