



| GridReader |
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| <div>+ CGNS(in fileName: std::string): const GridDat</div> |

| GridData |
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| <div>+ dimension: const unsigned</div> <div>+ coordinates: Eigen::MatrixXd</div> <div>+ triagleConnectivity: Eigen::MatrixXi</div> <div>+ quadrangleConnectivity: Eigen::MatrixXi</div> <div>+ tetraedronConnectivity: Eigen::MatrixXi</div> <div>+ hexaedronConnectivity: Eigen::MatrixXi</div> <div>+ pyramidConnectivity: Eigen::MatrixXi</div> <div>+ prismConnectivity: Eigen::MatrixXi</div> |

| GridBuilder |
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| <div>+ build(in gridData: GridData&): const Grid</div> |

| Grid |
|--|
| <div>+ <u>dimension: const unsigned</u></div> <div>+ elements: std::vector<Element></div> <div>+ vertices: std::vector<Vertex></div> |