

| KEY | OBLIG. | DESCRIPT | EJEMPLO | RANGE OF VALUES |
|-------------------|--------|--|---------|---------------------------------------|
| grafClass | YES | Graph class to perform | DMA | DMA, SECTOR, DQA, PRESSZONE |
| exploitation | YES | Exploitations to participate in the algorithm | [1,2] | All the available exploitations |
| macroExploitation | NO | Macro-exploitations to participate in the algorithm | [1,2] | All the available macro-exploitations |
| checkData | YES | If true, check if the system data is correct (topology, state_type, etc), In case of errors, abort the process | false | false, true |
| updateFeature | YES | If true, update the values of dma_id, presszone_id, sector_id & dma_id of all NODES, ARCS, CONNEC that are flooded by the algorithm | true | false, true |
| updateMapZone | YES | 0: does not update the geometry field (the_geom) of the mapzone 1: Updates by making an enveloping polygon with all the elements 2: Updates by buffering the sections with the value of geomParamUpdate 3: Updates by buffering the sections with the value of geomParamUpdate and incorporating the plot geometry (if it exists) | 2 | 0,1,2,3 |
| geomParamUpdate | YES | Value related to options 2, 3 of the previous key | 10 | Any float between 0.1 – 100 |
| usePlanPsector | YES | If true, uses all psectors of the exploitation in the analysis of the algorithm | false | false, true |
| forceOpen | YES | Valves that can be forced to open (e.g. for closed valves that we want to open for whatever reason) | [1,2,3] | All closed valves |
| forceClosed | YES | Nodes in general that can be forced to close (e.g. in the debug phase in case the trace gets out of control and does not converge as expected) | [1,2,3] | All nodes (except closed valves) |