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|  |  | Key features |
| 1 | Basic sim | Conc  Flux  Tdc |
| 2 | Fe SO4 | Add Fe and SO42- |
| 3 | Grid | Maxnpts, job, xl |
| 4 | Depositional flux | w00 |
| 5 | Porosity | p0 p00 |
| 6 | OMModel2 | Compare OMModel1, OMModel2 |
| 7 | Limitation – inhibition | KTEA, KIn |
| 8 | Inorganic reactions | Knh4ox |
| 9 | Adsorption | NH4 adsorption, KPO4P |
| 10 | Bioturb | imix 0, 2, DB0,xs  α0, xirrig |
| 11 | High salinity | Sal1 Sal2 |
| 12 | Sulfide sensitivity | KH2S |
| 13 | MPB | Rgpp |
| 14 | Zones | Add three zones |
| 15 | OM initial profile | OM\_Top, OM\_Min, InitMinDepth |
| 16 | Timing | Spinup, substeps, firststeps, justwaitabit |
| 17 | POM special rectangle | Fluxon, fluxoff |
| 18 | POM special triangle | Swibc |
| 19 | Time and POM | Swibc |
| 20 | kOM | Vary pomspecial2dic |
| 21 | Bottom boundary | Deep\_vals |