**Table 5.** Parameter summary for NMR pulse sequences in *Spinach* user-land.

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Units / Values** | **Comments** |
| parameters.offset  parameters.offset\_f1  parameters.offset\_f2 | Hz | Transmitter offset from the magnetogyric ratio frequency in the current magnet. |
| parameters.sweep  parameters.sweep\_f1  parameters.sweep\_f2 | Hz | Digitization frequency, *aka* sweep width. Any signals falling outside the detection window will be aliased inside. |
| parameters.npoints  parameters.npoints\_f1  parameters.npoints\_f2 | positive integer | Number of points in the FID in each experiment dimension. |
| parameters.zerofill  parameters.zerofill\_f1  parameters.zerofill\_f2 | positive integer | Number of points to which to zero-fill the FID in each experiment dimension. |
| parameters.spins  parameters.spins\_f1  parameters.spins\_f2 | string | Spins to pulse and detect in each experiment dimension. |
| parameters.axis\_units | string | Axis units for plotting if any is to be done. |
| parameters.angle | radians | Flip angle for COSY-α experiment. |
| parameters.J | Hz | Scalar coupling for magnetization transfer stages in experiments involving such transfer stages. |
| parameters.tmix | seconds | Mixing time parameter for NOESY sequence. |