

# 2021-01-22 KMeeting (nre)

## Meeting Details

- Moderator: als
- Protocol: nre
- Attendees:
  - als
  - lgr
  - nre
  - rvh
  - ssm
- Start: 9:49
- End: 10:10

## Agenda

- [Debugging \(Potentially\) Instantaneous loops \(als\)](#)

## Debugging (Potentially) Instantaneous loops (als)

- Users may want to debug SCCharts in source model, as that is what the modeller really modeled
- Instantaneous aborts from a state cycling with another state may cause this problem in the compilation
- Caused by abort transformation
- "Salami-Fork" to express abort from previous FDL paper taken as an idea for an alternative transformation in SCCharts
- New sequential preemptive fork in SCG that executes its threads sequentially until the first one reaches its exit state
- Guards for basic blocks got adapted to conform with the strong/weak abortion semantics
- Still problems with thread reincarnation (for example already in ABRO), solved again with some als guard magic
- Problem: Parts of control flow are not modeled in CFG anymore but in the guards of these threads, may not be what we really want from this new approach
- New approach also only helps in some cases, as problems with shizophrenic in some cases is still present