

# Hands-On Session 3

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# Example

Use the example file [cg.f90](#) and [Makefile](#)

There are three issues in the code to be fixed

# Hands-on

*Try fixing the example first before continuing*

# Solution

## Errors

- Line 46 should just use `loop seq` instead of `loop vector`, but the `vector` can be added to the directive in line 40
- Line 69 needs to `copyin(A%colPtr)` as well
- Line 165: `A%rowPtr(i+1)` should be advanced by 3 not 4

## Performance issue

- Line 91 is performing better with `!$acc parallel loop gang vector`