

Optimizing Clang with BOLT using CMake

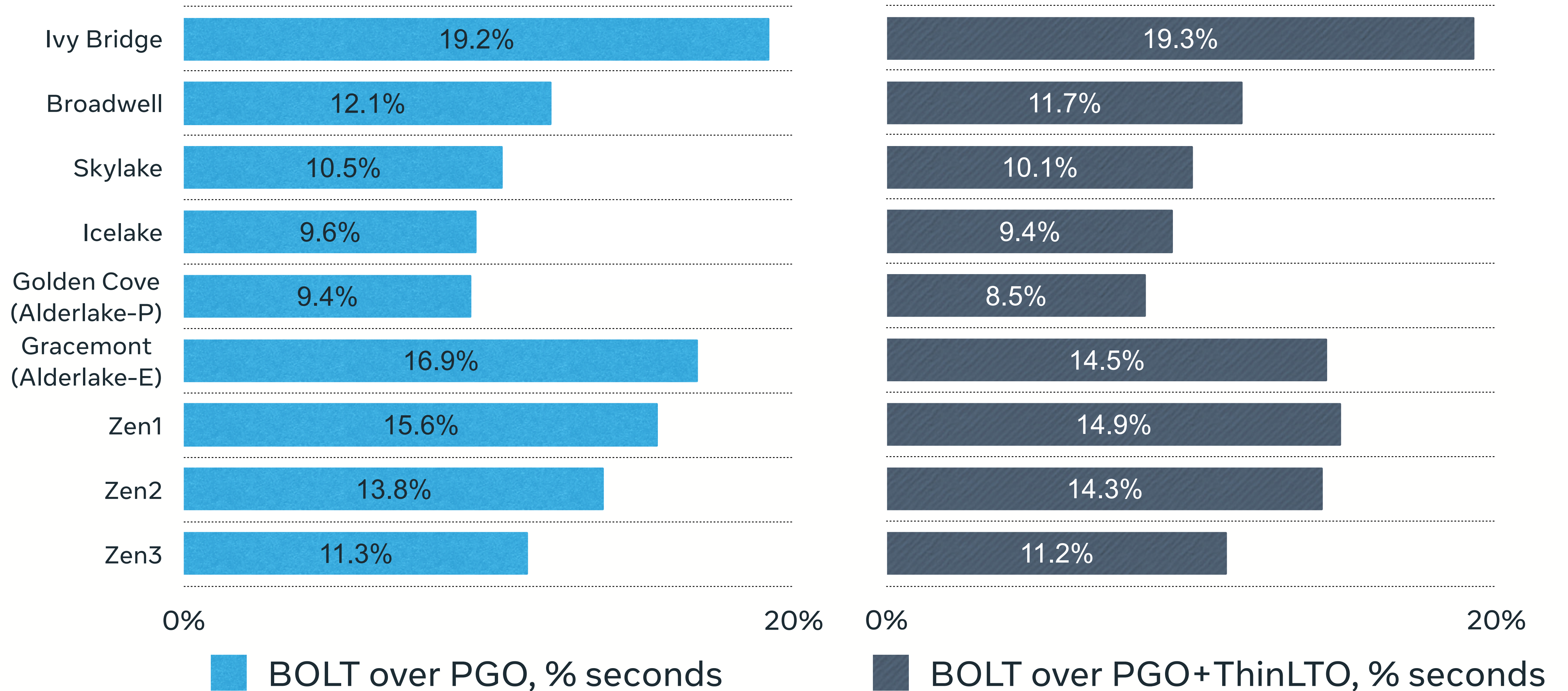
AMIR AYUPOV

Building Clang with BOLT optimization

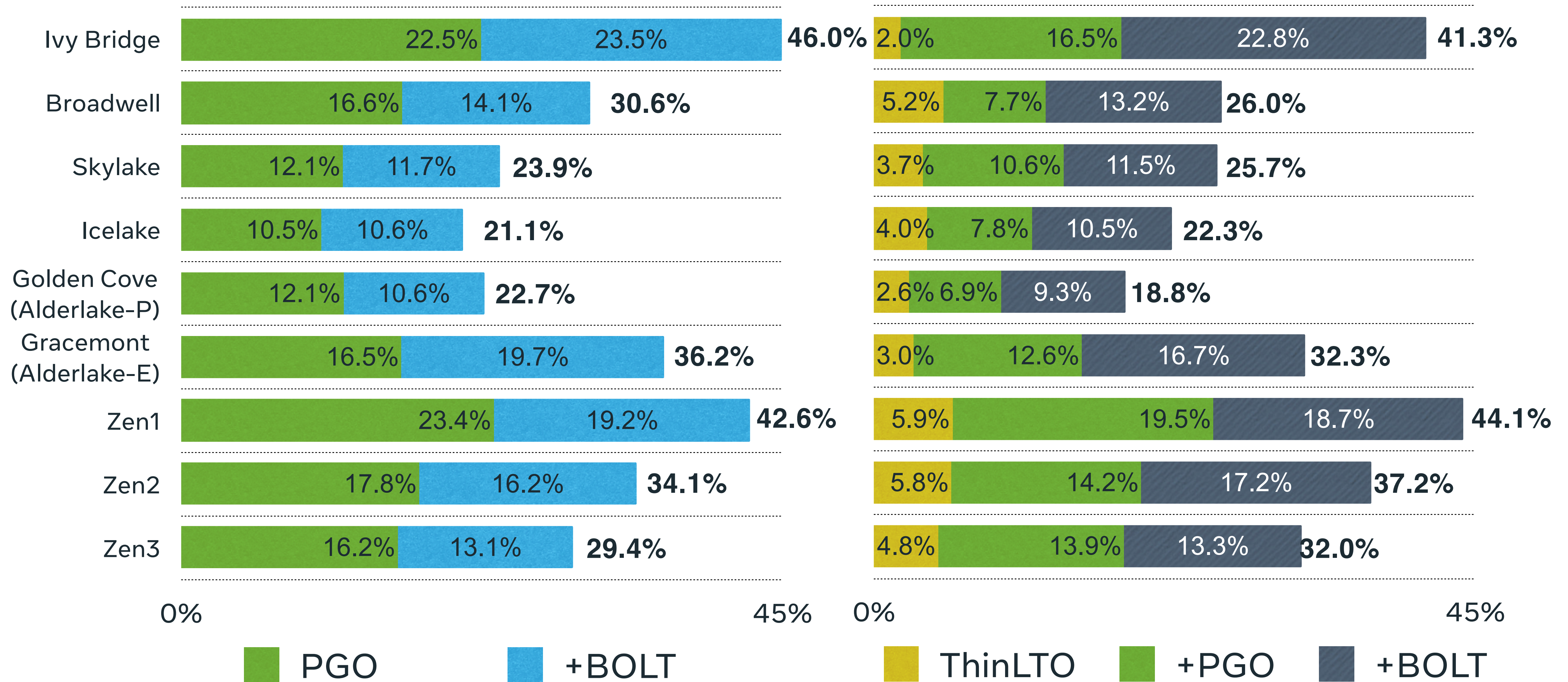
```
cmake <...> -C clang/cmake/caches/BOLT.cmake  
ninja clang++-bolt
```

```
cmake <...> -C clang/cmake/caches/BOLT-PGO.cmake  
ninja stage2-clang++-bolt
```

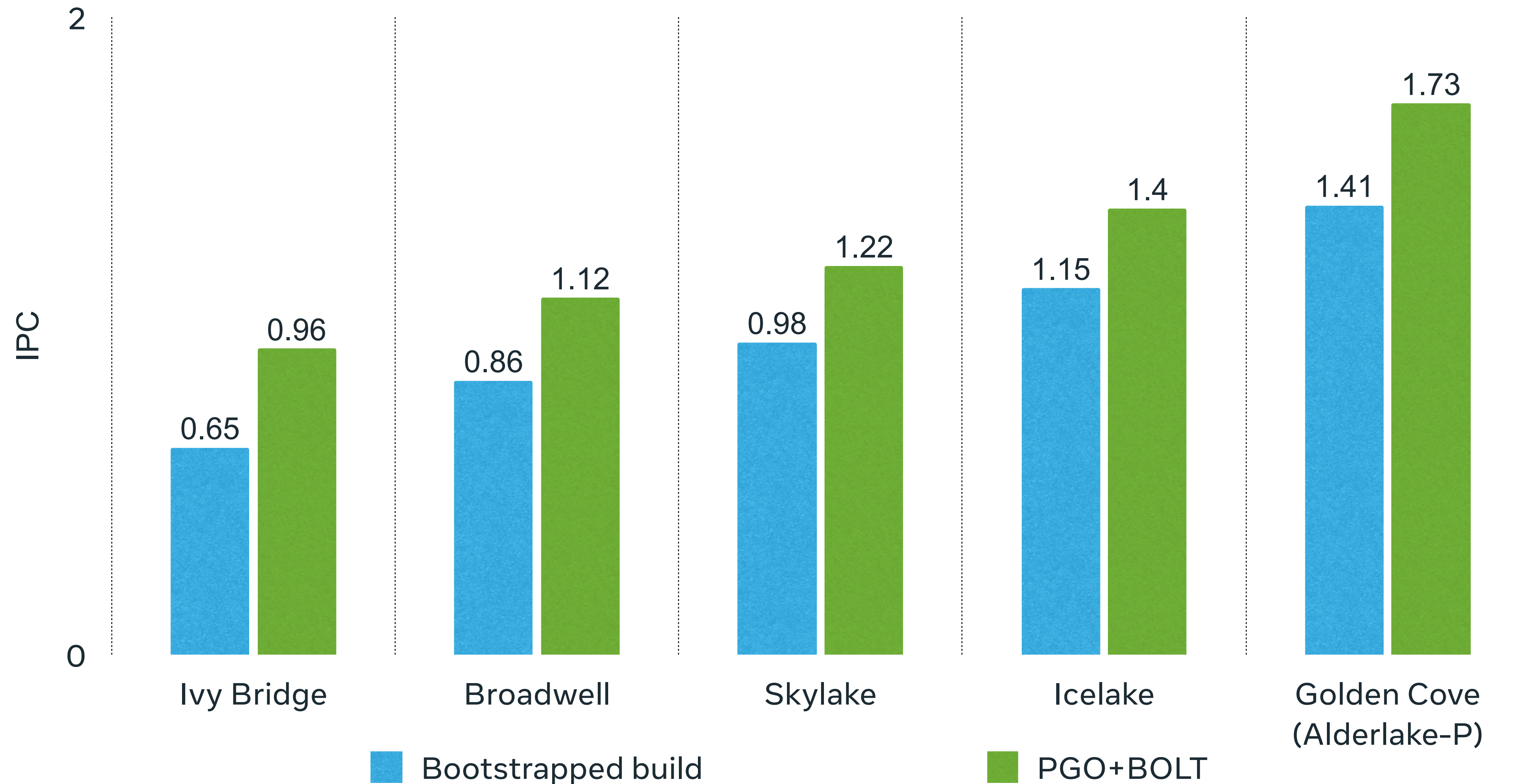
BOLT speedup over Clang's best effort, Building Clang



Cumulative speedup over bootstrapped build, Building Clang



Instructions per cycle, PGO+BOLT effect, Building Clang



 Meta