

Q. Why such a preference would be given to writers?

Ans. When this preference is not give, writers cannot write if anyone is reading but other readers can come and read, so more readers keep coming in and reading. If this in and out flow of readers continue, there will be a positive number of readers at almost all times, so writers will have to keep waiting all that time. Thus we see writers are at a disadvantage.

This is the problem we are trying to fix in the new implementation. If there is any writer waiting to write then no more readers are allowed. The ones already reading complete their work, and then the writer updates the shared values and frees the buffer. Now the new readers will get to read the updated value.