**What Makes a Good Bug Report?**

In software development, bug reports provide crucial information to developers.

According to surveys conducted among developers, there is an information mismatch between what developers need and what users supply.

. In this paper, we investigate the quality of bug reports from the perspective of developers. We expected several factors to impact the quality of bug reports such as the length of descriptions, formatting, and presence of stack traces.

We developed a prototype tool called CUEZILLA, which gauges the quality of bug reports and suggests to reporters what should be added to make a bug report better.

this paper makes the following contributions:

1. a survey on how bug reports are used among 2,226 developers

and reporters, out of which 466 responded;

2. empirical evidence for a mismatch between what developers

expect and what reporters provide;

3. the CUEZILLA tool that measures the quality of bug reports

and suggests how reporters could enhance their reports, so

that their problems get fixed sooner.

this is some of the key statistically significant patterns that found:

1. Bug reports containing stack traces get fixed sooner.

2. Bug reports that are easier to read have lower lifetimes.

3. Including code samples in your bug report increases the

chances of it getting fixed.