Abstract

Graphical representation over web were required for remote monitoring of the cool-down measurements at identified locations inside a cryostat for testing mechanical components at liquid nitrogen temperatures. The temperature measurements at pre-defined locations using temperature sensors and data logger are stored in database. A front-end in Java is developed to display the cool-down measurements in graphical format over web. Study were done to resolve the Compatibility issue with reference to graph-plotting libraries in java. The graph was
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Initially plotted using the values observed from a single sensor and storing the values in a text file. Later facility to select sensor at particular location and storing of data in Mysql database was incorporated. Monitoring of the cool-down measurements is done from remote location inside the network.

References

- Gosling, James; Joy, Bill; Steele, Guy; Bracha, Gilad; Buckley, Alex (2014). The Java Language Specification (Java SE 8 ed.).
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Index Terms

Computer Science

Signal Processing

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Web-based Application for Monitoring of Cool-down Measurements in Graphical Format

**Keywords**