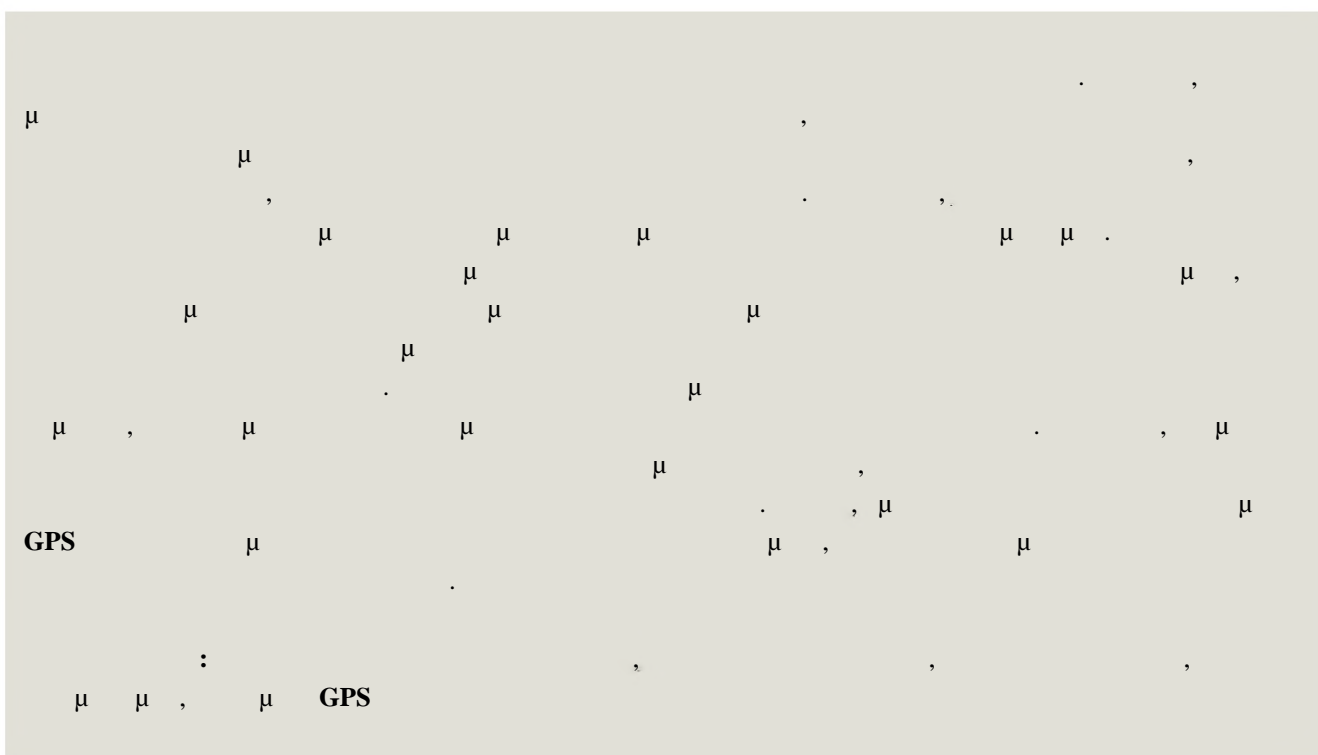




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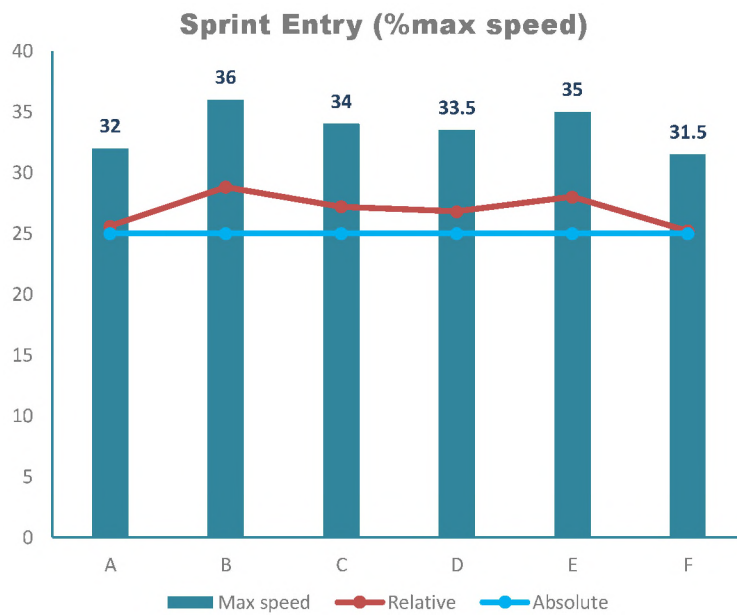
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Monitoring and analysis of physical fitness parameters in football

Athanasios Aggelis

Match Analyst, Omonia Lefkosia

Abstract

Recording and analysing performance is essential for two main reasons. Firstly, to maximize the performance of football players and secondly, to minimize the negative effects that may arise from poor management of training loads, such as excessive fatigue, overtraining, or undertraining. In addition, proper management of training loads can significantly contribute to injury prevention. The ability to monitor performance parameters in real-time, provided by modern systems, gives coaching teams an advantage to accurately control the volume and intensity of training and to determine the training loads that players will undergo during training. The selection of parameters to be monitored is crucial, as they quantify training. Furthermore, many important factors must be considered when determining whether a football player requires special management of their training load. Finally, the use of GPS systems and the preparation of reports for the coaching team provide important information that helps with decision-making.

Keywords: live performance recording, performance analysis, training loads, injury prevention, GPS systems.

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