

工程与应用

多机器人系统的一种快速会话建立方法

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摘要 H.324M作为多媒体移动终端的标准,使得多机器人系统的实时多媒体通讯成为了可能。在H.324M的基础上,针对数据传输的多路技术,开发了一种高效的移动多媒体传输协议栈,一个机器人能够同时处理两个或者更多的信息,使得多机器人系统能够加速会话建立、进行多媒体通讯。理论与实验结果表明,该方法相对于H.324M中推荐的方法,会话建立时间缩短了约50%。

关键词 [多机器人系统](#) [多媒体通讯](#) [会话建立](#) [多路复用](#)

分类号

Time-saving method for session establishment in multi-robot systems

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Abstract

H.324M is a standard made by ITMC for multimedia mobile terminals, which makes it possible to start multimedia communications in multi-robot systems. An efficient mobile multimedia transmission protocol stack based on H.324M standards has been developed, and one robot can process two or more messages simultaneously. And the time-saving method will speed up the session establishment before two or more robots start their multimedia communications. Comparison and experiments are also made between the presented method in this paper and the recommended one in the recommendation H.324M, and results from the comparison show that the previous method is really better than the latter one, half the time can be saved.

Key words [multi-robot systems](#) [multimedia communications](#) [session establishment](#) [multiplexing](#)

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