摘要

智能家居兴起于上个世纪 80 年代，世界知名人士比尔·盖茨的家中就应用了智能家居技术，这种技术使我们的生活更加的智能化，伴随着其他各种技术的发展，它也逐渐走进我们的生活，让我们对生活有了全新的认知及感受，智能家居成为未来的一种主要生活已经势不可挡，也就是成为了一种必然的趋势。智能家居总的来说是一个集合体，第一，是最重要的通讯系统，它实现人与机器的互联，让人享受控制的美妙感觉；第二，是供电系统，它是整个系统的重要支撑，保证系统的正常运行；第三，无线 wifi 技术，是信息传递的重要组成部分；第四，计算机技术，无论是单片机的编程，还是 wifi 的连接都需要了解计算机技术等等。它们的总体构成一个大的智能家居系统，各个部分相互支持，使我们的生活能够更加的精彩，舒适。但是智能家居同样还有极大的发展空间，从国际先进平均水平来看，我们距离国际先进水平还有一段距离，可以先学习国外先进的智能家居技术，才能追赶上先进的技术，把我们的智能家居技术提高到国际先进水平，同时智能家居技术同样还是需要极大的创新，只有不断超越，不断进取，才可以超越目前的巅峰水准，达到下一个巅峰，未来有无限可能，值得我们去奋斗。

关键词：智能家居;程序设计;无线通信技术

Abstract

Smart home emerged in the 1980s. Smart home technology was used in the home of Bill Gates, a world celebrity. This technology makes our life more intelligent, along with the development of other technologies. It has also gradually come into our lives, so that we have a new understanding and feelings of life, smart home has become a major life in the future has become an inevitable trend. Smart home is generally a collection, first, is the most important communication system, it realizes the interconnection between people and machines, let people enjoy the wonderful feeling of control; second, it is the power supply system, which is the important support of the whole system. To ensure the normal operation of the system; third, wireless wifi technology, is an important part of information transmission; fourth, computer technology, whether single-chip microcomputer programming, or wifi connection need to understand computer technology and so on. Their overall composition of a large smart home system, various parts support each other, so that our life can be more wonderful and comfortable.

However, there is also great room for development of smart home. Judging from the international advanced average level, we are still some way from the international advanced level. We can first learn foreign advanced smart home technology before we can catch up with advanced technology. To raise our smart home technology to the international advanced level, at the same time, smart home technology also needs great innovation, only by constantly surpassing and making progress, can we surpass the current peak level and reach the next peak. There are infinite possibilities in the future, which are worth fighting for.

Key words：Smart home;programming;wireless communication technology

目录