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Artificial Intelligence And Xbox 360

By Tucker Osbert

Let's leave the format war between Sony and Microsoft and explore a gaming phenomena that

unquestionably improves current gaming trends -- Artificial Intelligence, or AI to many. Touted to make new breakthroughs and trends in the world of gaming, AI is the enabling of intricate decision-making capabilities in a software. Speaking of AI, the Xbox 360 boasts of an AI-capable system designed and developed by many brilliant and innovative engineers. Though the Xbox also has this feature, it is more pronounced and better in the new console combined with the HD DVD technology.

Of course, such high-quality consoles deserve top-notch games and the developers stepped up to the challenge. Game developers for Xbox and its new improved counterpart also added AI programs to their games, giving the in-game personas the ability to think like a real person. With the vast power of the new consoles, the whole universe of gaming comes alive. A summary of the improvements AI bring to online gaming: non-player characters or NPCs act in realistic manner, not to mention that allies are more helpful and enemies become more fiendish than ever.

Such simplistic notions cannot fully express the benefit of AI in a game sequence. The simplicity of the summation only contrives to hide the complexity of the AI behind the Xbox 360. But the concept of AI is not a modern one. In fact, AI is a subject of discussion, debates, and practical simulations within the academic setting for years. Chris Satchell, Microsoft's General Manager for Game Development, attests to this fact. From the development of Pac-Man, game designers and developers have been employing the use of AI, even if it is just in its simplest state. Take Pac-Man for example, wherein the main objective is to eat as many golden pellets as possible without being eaten by the "ghosts." This simplicity is matched by the elementary pre-scripted AI patterns used. The ghosts almost always follow a straight line but they deviate from their path when they sense your presence. It is noticeable especially when your Pac-Man does not change position at all -- the ghosts move according to the path, changing directions only when they get close to you.

Twenty years later since Pac-Man, family computers, and many computer hardware changes, game developers still use the same simplistic AI tricks. The hardwares evolve to accommodate the intensity of the modern graphics as well as the sound system for more biting audio. However, despite these changes, AI programs continue to be a sort of last-minute addition. In fact, the programs are deemed

to be unimportant in gaming. As a result, the NPCs, largely remained as stupid bots who don't move even if caught in a crossfire. This is what the AI programs for the Xbox 360 take care of.

Satchell affirms that the new processing model composed of three powerful symmetric cores more than makes up for the lack of "reality" of the old console models. He asserts that this new Microsoft innovation is really a paradigmatic shift because the standard for game consoles and computer hardware is the use of a single core. He added that this shift to a three-core system will add considerable burden to the lives of game developers but add to greater delight of all Xbox 360 gamers. This is because a fully AI-capable three-core system provides greater flexibility and more cycles which make gaming more exciting and interesting.

The key to achieving that is to make sure that the AI programs of the new Xbox run smoothly on all three cores. Therefore, the developers need to take extensive sections from their codes and test it on all three cores. As a result of all these great efforts, the CPU's main processor does not take all the

burden of handling multiple tasks; instead, the added cores take over the job. The results are more efficient gaming, sharper graphics, quality audio, and thinking characters which give Xbox 360 games advantage over others.

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Xbox 360 takes the world by storm

By Peter Wolfing

Microsoft now introduces the next generation games console "Xbox 360"; fusing games, entertainment, community, information and innovation all together. It will be launching it this November in Europe, Japan, and North America. Xbox 360 is a video game system that places you at the center of the entertainment experience.

San Francisco and Japan joined hand to craft a stylish system that conveys the very essence of Xbox 360; while wrapping powerful technology in a sophisticated exterior. The Xbox 360 has changed the looks and sounds of games. With Xbox 360, marathon worlds are alive with detail. Animated characters displaying depth of emotions bringing more exciting responses and introducing you with a new and unique experience. All Xbox 360 is label at 720p and 1080i resolution in 16:9 widescreen for smooth, movie-like graphics and multi-channel enclose sound.

The Xbox 360 takes you to an incredible world of entertainment. The Xbox 360 has the most dazzling games and the most powerful as well as intelligent technology. It gives you access to the most compelling games you want to play, people of your choice to play with, watching and enjoying digital music, photos, videos and all the experiences you ever longed for. It fully engages you in an extensive, dramatic, and lifelike gaming experience where no boundaries to the possibilities and imagination are.

The Xbox 360 proves that the next generation is here as its games can be experienced in HD, Also you can stream HD television and movies straight from your Windows Media Center Edition PC to your Xbox 360.

The Xbox 360 lets you personalize your own unique system and experience. You can change the appearance of your console by interchangeable Xbox 360 Faces; it's easy and fun to do. Switch on your system to download character skins, premium levels, and more in the Xbox Live Marketplace to customize the look and feel of the Xbox Gamer Guide and Xbox System Guide with unique skins. From sleek and sophisticated to fun and funky, pick the faces and skins that explain your personality or mood.

The Xbox Gamer Guide, available at a touch of the Xbox Guide Button is your instant gateway that connects you to games, friends, music, movies, and downloadable stuff. The glowing Ring of Light and Xbox Guide Button visually connect you to your games, digital media, and the world of Xbox Live, the first global, unified online console games service. In addition, the Xbox Guide Button lets you turn the system on and off without ever leaving it.

Plug your Xbox 360 into the broadband connection and get instant access to Xbox Live Silver.

Build your profile, your gamer card and your gamer tag; talk with others using voice chat, and access Xbox Live Marketplace without any extra cost. You can also experience the exciting world of multiplayer online gaming where you can play who you want with Intelligent Matchmaking by upgrade to Xbox Live Gold. It provides access to an vast selection of games, video chat and video messaging.

Peter Wolfing

<http://www.freeflashbuilder.com>

Over 14 years on the Internet Mr. Wolfing has developed unique products to assist anyone on the to

promote their online business not only fast and effectively but at low cost of FREE.



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