

不可視マーカのコンビネーションを用いた情報提供手法

能田雄規、河野恭之

Real-world Information providing method using combination of “invisible” visual markers

Yuki Nouta and Yasuyuki Kono

This paper describes a method for providing Information using combination of “invisible” visual markers. Most AR systems use square shaped visual markers in order to provide real-world information but these systems have some problems that visual markers are obstructive in the real-world and the link between markers and information is fixed unless the user changes it. “invisible” visual markers are made with retro-reflectors and we can detect markers that camera captures reflection of infrared light that are flashed near the lens. We propose a method using combination of “invisible” visual markers for providing information. Information is linked not only to each single tag but also to any combination of markers. When the system detects plural visual markers provide the information which is linked to the combination.

Keywords; “Invisible” Visual Marker, Real-world information Wearable Computer, Infrared light, retro-reflectors