



AUGMENTED REALITY GAME THERAPY FOR CHILDREN WITH AUTISM SPECTRUM DISORDER

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Submitted: Mar. 24, 2014

Accepted: May 3, 2014

Published: June 1, 2014

Abstract- This paper presents progress on treating children with Autism Spectrum Disorder with Augmented Reality (AR) based augmented reality games. The aim of these games is to enhance social interaction and hand-eye coordination in children with ASD thus easing them into becoming more comfortable around unfamiliar people. Colour detection and tracking and motion tracking concepts in augmented reality have been used to develop games for young children with ASD. The idea is that these games will encourage concentration and imagination from children through repetitive movement and visual feedback.

Index terms: Augmented Reality (AR), colour tracking, motion tracking, Autism Spectrum Disorder (ASD), autism