

ESPC 2008 - Ottawa (Ontario)



Christopher Nielsen

Generating NURBS Surfaces through 3D Silhouette Scanning

Division: Sciences de la terre et de l'environnement / Technologie automobile

Catégorie: Intermédiaire

Région: Calgary Youth

Ville: Calgary, AB

École:

Sommaire: In this project a system of 3D silhouette scanning is proposed and implemented that would allow for the automatic computational generation of 3D NURBS (Non-Uniform Rational B-Spline) surfaces representing real world objects for use in 3D computer graphics applications.

Biographie

Christopher was born in Ottawa and moved to Calgary when he was 3. He has been interested with computers for the greater part of his life and hopes to keep learning as a lifelong obsession. This is his first year in a science fair and so far he has enjoyed it. Some of his hobbies include soccer, piano, solving math problems, reading, hiking, biking programming, 3D modeling, hockey, running, fixing computers, eating, sleeping, calculus, biology, algorithm development, guitar, traveling, thinking, watching lectures, electronics, praying, swimming, building things out of duct tape and writing biographies about himself.

Prix

Valeur

Bourse d'études de l'Université Western Ontario	2 000,00 \$
Médaille d'or - Bourse de début d'études de 2 000 \$	
Commanditaire: Université Western Ontario	
Mention honorable - Technologie automobile - Intermédiaire	100,00 \$
Commanditaire: AUTO21	
Médaille d'or - Sciences de l'informatique - Intermédiaire	1 500,00 \$
Commanditaire: Intel of Canada, Ltd.	
Total	3 600,00 \$