

Universidad de Buenos Aires Facultad de Ciencias Exactas y Naturales Departamento de Computación

Localización y modelado simultáneos mediante generación y actualización automática de controladores discretos

Tesis presentada para optar al título de Licenciada en Ciencias de la Computación

Ivan Pasquini

Director: Nicolás Roque D'Ippolito

Codirector: Leandro Ezequiel Nahabedian

Buenos Aires, 2016

LOCALIZACIÓN Y MODELADO SIMULTÁNEOS MEDIANTE GENERACIÓN Y ACTUALIZACIÓN AUTOMÁTICA DE CONTROLADORES DISCRETOS

La princesa Leia, líder del movimiento rebelde que desea reinstaurar la República en la galaxia en los tiempos ominosos del Imperio, es capturada por las malévolas Fuerzas Imperiales, capitaneadas por el implacable Darth Vader. El intrépido Luke Skywalker, ayudado por Han Solo, capitán de la nave espacial "El Halcón Milenario", y los androides, R2D2 y C3PO, serán los encargados de luchar contra el enemigo y rescatar a la princesa para volver a instaurar la justicia en el seno de la Galaxia (aprox. 200 palabras).

Palabras claves: Guerra, Rebelión, Wookie, Jedi, Fuerza, Imperio (no menos de 5).

LOCALIZACIÓN Y MODELADO SIMULTÁNEOS MEDIANTE GENERACIÓN Y ACTUALIZACIÓN AUTOMÁTICA DE CONTROLADORES DISCRETOS

In a galaxy far, far away, a psychopathic emperor and his most trusted servant – a former Jedi Knight known as Darth Vader – are ruling a universe with fear. They have built a horrifying weapon known as the Death Star, a giant battle station capable of annihilating a world in less than a second. When the Death Star's master plans are captured by the fledgling Rebel Alliance, Vader starts a pursuit of the ship carrying them. A young dissident Senator, Leia Organa, is aboard the ship & puts the plans into a maintenance robot named R2-D2. Although she is captured, the Death Star plans cannot be found, as R2 & his companion, a tall robot named C-3PO, have escaped to the desert world of Tatooine below. Through a series of mishaps, the robots end up in the hands of a farm boy named Luke Skywalker, who lives with his Uncle Owen & Aunt Beru. Owen & Beru are viciously murdered by the Empire's stormtroopers who are trying to recover the plans, and Luke & the robots meet with former Jedi Knight Obi-Wan Kenobi to try to return the plans to Leia Organa's home, Alderaan. After contracting a pilot named Han Solo & his Wookiee companion Chewbacca, they escape an Imperial blockade. But when they reach Alderaan's coordinates, they find it destroyed - by the Death Star. They soon find themselves caught in a tractor beam & pulled into the Death Star. Although they rescue Leia Organa from the Death Star after a series of narrow escapes, Kenobi becomes one with the Force after being killed by his former pupil - Darth Vader. They reach the Alliance's base on Yavin's fourth moon, but the Imperials are in hot pursuit with the Death Star, and plan to annihilate the Rebel base. The Rebels must quickly find a way to eliminate the Death Star before it destroys them as it did Alderaan (aprox. 200 palabras).

Keywords: War, Rebellion, Wookie, Jedi, The Force, Empire (no menos de 5).

AGRADECIMIENTOS

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce sapien ipsum, aliquet eget convallis at, adipiscing non odio. Donec porttitor tincidunt cursus. In tellus dui, varius sed scelerisque faucibus, sagittis non magna. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Mauris et luctus justo. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Mauris sit amet purus massa, sed sodales justo. Mauris id mi sed orci porttitor dictum. Donec vitae mi non leo consectetur tempus vel et sapien. Curabitur enim quam, sollicitudin id iaculis id, congue euismod diam. Sed in eros nec urna lacinia porttitor ut vitae nulla. Ut mattis, erat et laoreet feugiat, lacus urna hendrerit nisi, at tincidunt dui justo at felis. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Ut iaculis euismod magna et consequat. Mauris eu augue in ipsum elementum dictum. Sed accumsan, velit vel vehicula dignissim, nibh tellus consequat metus, vel fringilla neque dolor in dolor. Aliquam ac justo ut lectus iaculis pharetra vitae sed turpis. Aliquam pulvinar lorem vel ipsum auctor et hendrerit nisl molestie. Donec id felis nec ante placerat vehicula. Sed lacus risus, aliquet vel facilisis eu, placerat vitae augue.

Índice general

1. LA GUERRA DE LAS GALAXIAS

1.1. Infancia y juventud

There's nothing for me now. I want to learn the ways of the Force and become a Jedi like my father. -Luke Skywalker

1.2. Rescate de la princesa

Here's where the fun begins!
-Han Solo

1.3. Sacrificio y victoria

This will be a day long remembered.

It has seen the end of Kenobi.

It will soon see the end of the Rebellion.

-Darth Vader

2. EL IMPERIO CONTRAATACA

3. EL REGRESO DEL JEDI