

supervised by professors Juan Julian Merelo Guervos and Pedro Angel Castillo Valdivieso, of the department of Computer Architecture and Technology of the UGR.

The scientists of the UGR have developed a mini-simulator in order to define the settings (battlefields), locate the unit and their enemies, execute the algorithms and see the results. In addition, the software designed by them offers a few tools useful to analyse both the initial map and the results.

To prepare this system, Mora Garcia started from the battlefields present in the videogame Panzer General, defining la the necessary properties and restrictions to make them faithful to reality.



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The research work developed at the University of Granada has also had the participation of members of the Doctrine and Training Command of the Spanish Army (MADOC), organism belonging to the Ministry of Defence, which in the long term could incorporate some of the features of the new simulator for the design of actual military strategies.

The UGR scientists point out that, apart form this application the simulator could also be useful to solve other actual problems, such as the search for the best path for a sales agent or a transporter to visit his clients optimising fuel consumption or time, for example. 'In addition - they say- it could also be useful to solve planning problems for the distribution of goods, trying to serve the highest possible number of customers starting from a central warehouse, considering the lowest possible number of vehicles.

Source: Universidad de Granada

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