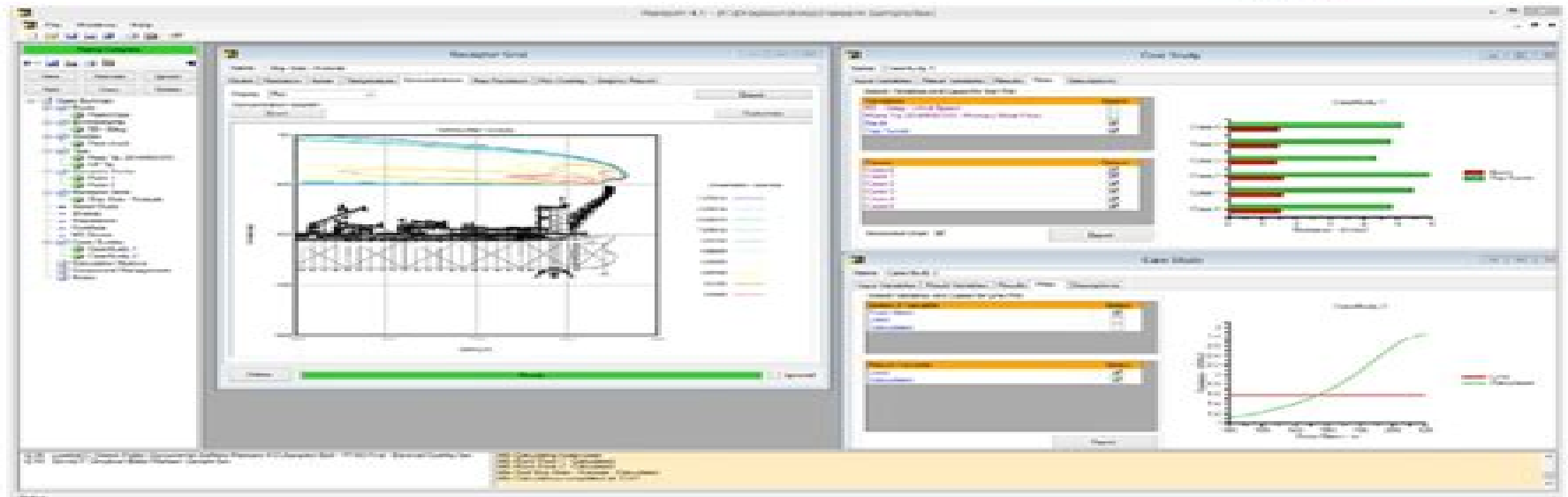
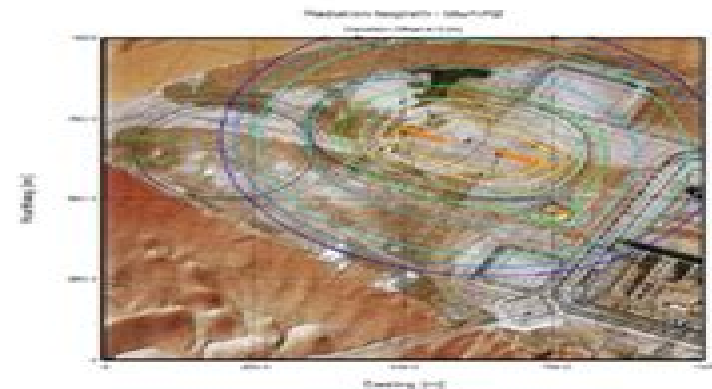


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# Flaresim Software Manual

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web aug 31 2018 i want to solve the 1 d heat transfer equation in matlab with an insulator heat flux  $\frac{dt}{dx}=0$   $t=0$  at left boundary condition and temperature at the right boundary  $t=l$  is zero and initial temperature 20 degree centigrade and length of the rod is 0.2m and thermal diffusivity  $\alpha=0.001$  by explicit finite difference method

*1 finite difference example 1d implicit heat equation* - Sep 05 2022

web 1 finite difference example 1d implicit heat equation 1 1 boundary conditions neumann and dirichlet we solve the transient heat equation  $\rho c_p \frac{dt}{t} = k \frac{d^2 t}{dx^2}$  on the domain  $0 \leq x \leq 2$  subject to the following boundary conditions for fixed temperature  $t(x=0)=2$   $t(x=2)=2$  with the initial condition

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