

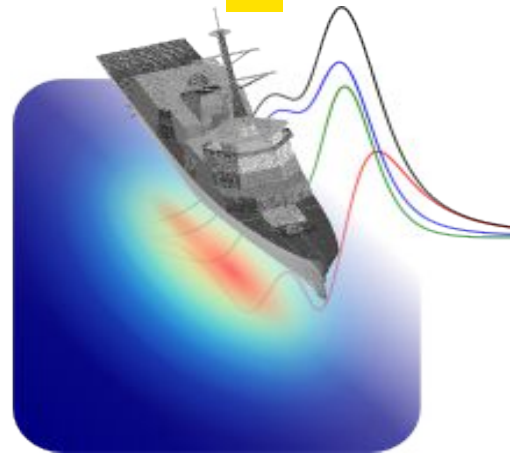
SURMA SIGNATURE ANALYSIS

Navy Combat Survivability Manager Application, **SURMA**, is a software tool for comprehensive combat survivability assessment.

Our one model concept fits perfectly into early design stage signature assessments. This methodology ensures the optimization of stealth features without sacrificing any crucial aspects of sea keeping or combat survivability.

Designer can aim for different EM, RCS, IR and visual signature levels. All changes of vessel geometry or materials can be immediately analyzed.

For example, accurate information of the magnetic signature levels enables the right dimensioning of degaussing system, avoiding too heavy cables with excessive auxiliary power and cooling. This kind of early stage design driver is otherwise hard to optimize.



Advantages

- Low level of input
- Fast to generate
- Quick reporting
- Reliable and accurate
- Saves both work and calendar time

Aspects

- Underwater EM
- Radar cross section

Results

- Mine threat analysis
- Degaussing system power
- Input to hit distribution

Stealth or not?

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