



# Ship Design for Efficiency and Economy

*By Volker Bertram, H. Schneekluth*

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## **Ship Design for Efficiency and Economy** By Volker Bertram, H. Schneekluth

The previous edition of Ship Design for Efficiency and Economy was published as a Butterworth's marine engineering title. It has now been completely revised and updated by Schneekluth and Bertram.

This book gives advice to students and naval architects on how to design ships - in particular with regard to hull design. The previous edition of this book was published in 1987. Since then, there have been numerous important developments in this area and the new additions to this book reflect these changes. Chapter 3 has been completely rewritten with added information on methodology of optimization, optimization shells and concept exploration methods. There is also a new sub-chapter on Computational Fluid Dynamics (CFD) for ship-hull design. Plus, a new method to predict ship resistance based on the evaluation of modern ship hull design will be detailed.

The emphasis of the this book is on design for operational economy. The material is directly usable not only in practice, in the design office and by shipowners, but also by students at both undergraduate and postgraduate levels.

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## **Ship Design for Efficiency and Economy** By Volker Bertram, H. Schneekluth Bibliography

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## **Editorial Review**

### **Review**

'this compact format book gives practical references and advice suitable for use by students and working Naval Architects...This is an up-to-date reference book.'

Marine Engineers Review, July 1999.

'It can be recommended to all those who are concerned with developing a ship design to obtain high efficiency and economy of operation.'

The Naval Architect

'This is an up-to-date reference book which besides documenting and referencing established design procedures also touches on the options to use new computer based methods.'

Marine Engineer's Review

"Material is directly usable not only in practice, in the design office and by shipowners, but also by students at undergraduate and postgraduate level... This comprehensive treatise of ship design and economy will find a ready readership in those academic institutions where naval architecture and maritime studies are taught, also with shipbuilders, consultancies, et al."

Nautical Magazine

### **Language Notes**

Text: English, German (translation)

### **From the Publisher**

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