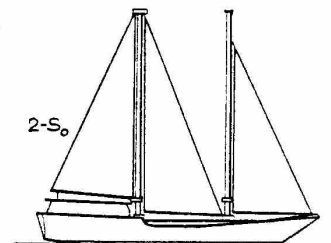
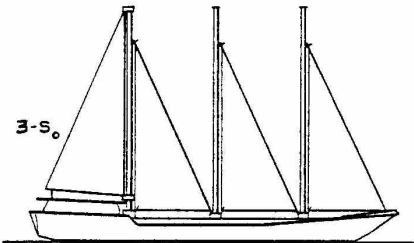
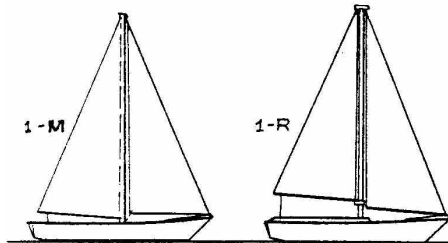
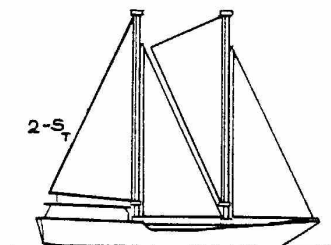
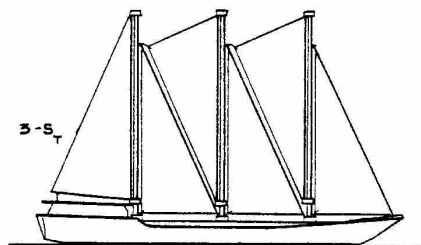
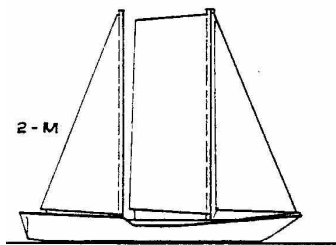


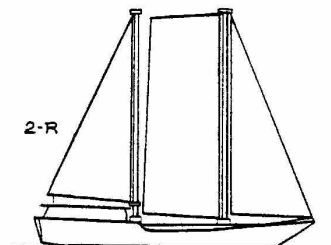
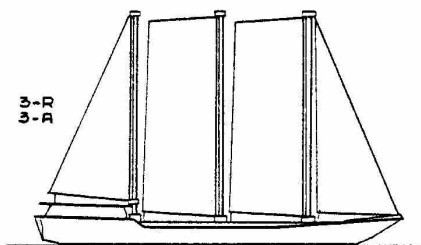
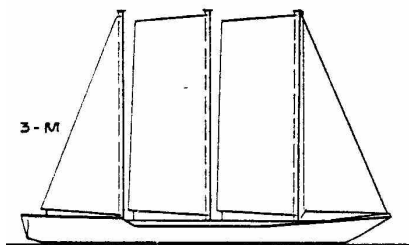
INDOSAIL RIG MODEL SERIES FOR WINDTUNNEL TESTS



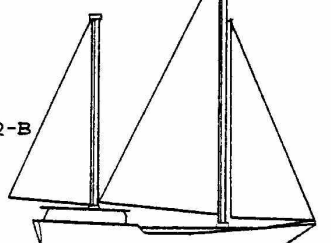
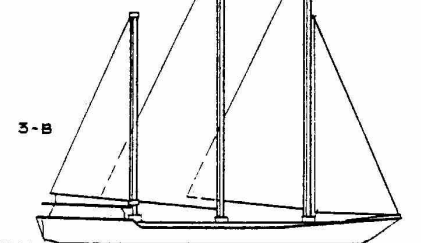
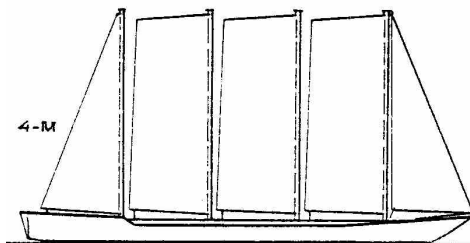
STAY SAILS



STAY SAILS WITH TOPSLS.



GAFF SAILS



BERMUDA SAILS

INFLUENCE OF MAST NUMBER
IDEALISED 'MASTROLLER' RIGS

INFLUENCE OF SAIL TYPE
ALTERNATIVE 'ROLLERSAIL' RIGS

INDOSAIL Project

Propulsion Performance
of various Sailing Rig Types

Sailing Rig Model Kit for Wind Tunnel Tests

Sheet Metal Sails

Mast Height ~0,4 m

Camber f/c ~ 0,1

Sail Area incl. Mast & Gap

Sail Types:

M 

R 

M Mastroller Gaffsail

R Rod-Roller Gaffsail

A R @ A-Frame Mast

S_o Stay Sail (Luna)

S_T Stay- & Top-Sail

B Bermuda-Sail

Sail Force Coefficients

C_x Driving Force

C_y Lateral Force

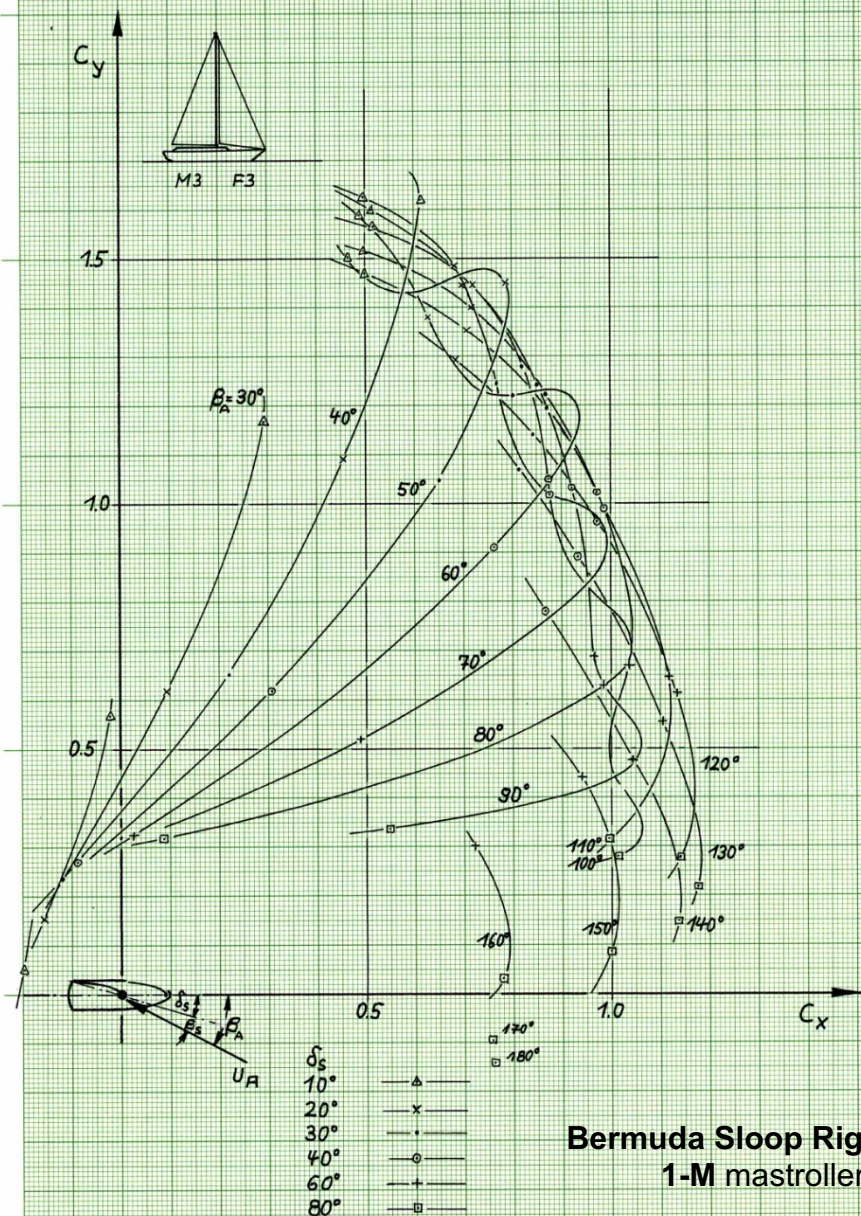
β_A App. Wind Angle

δ_s Main Boom Angle

peter@schenzle-hamburg.de

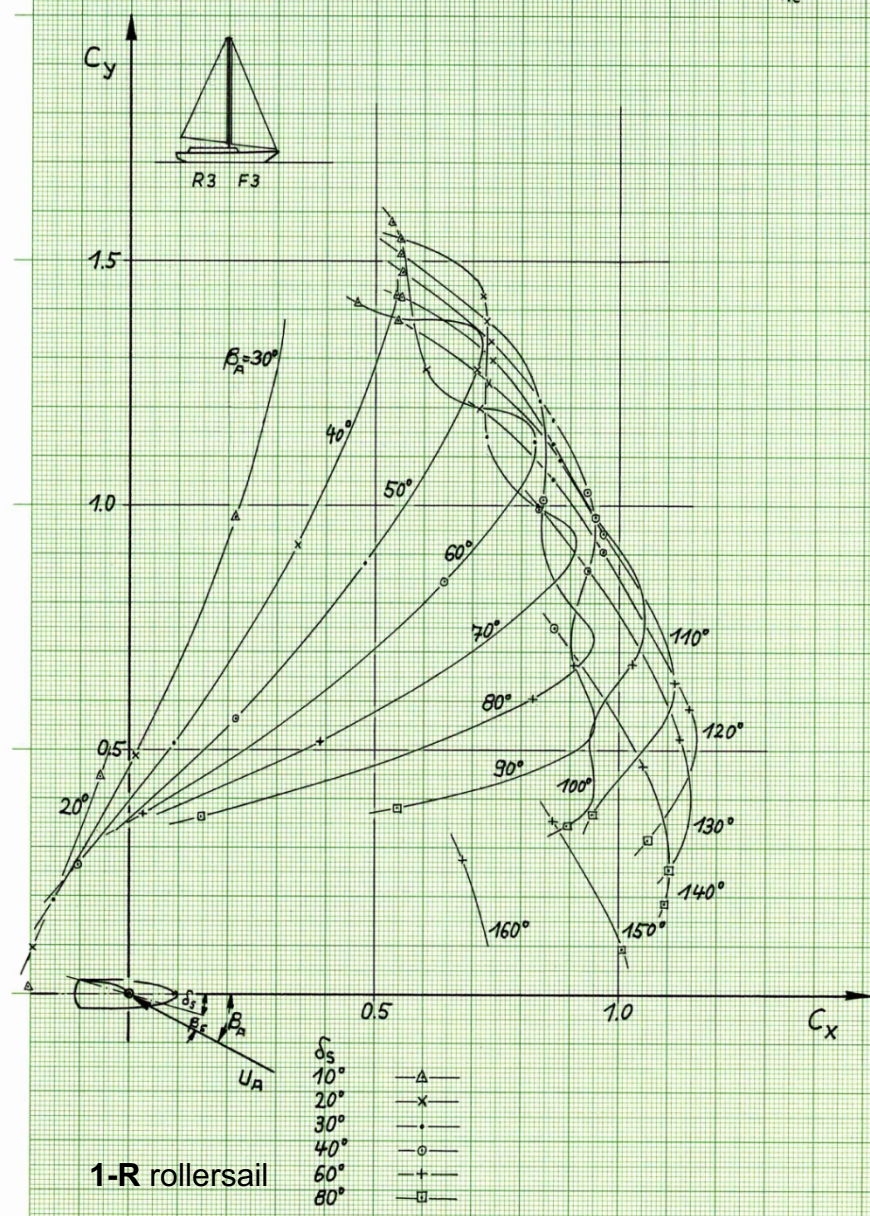
TRANSV. AND LONGIT. WINDFORCE COEFFICIENTS MODEL 1-M
MASTROLLER SLOOP

$$R_{nc} = 3 \cdot 10^5$$



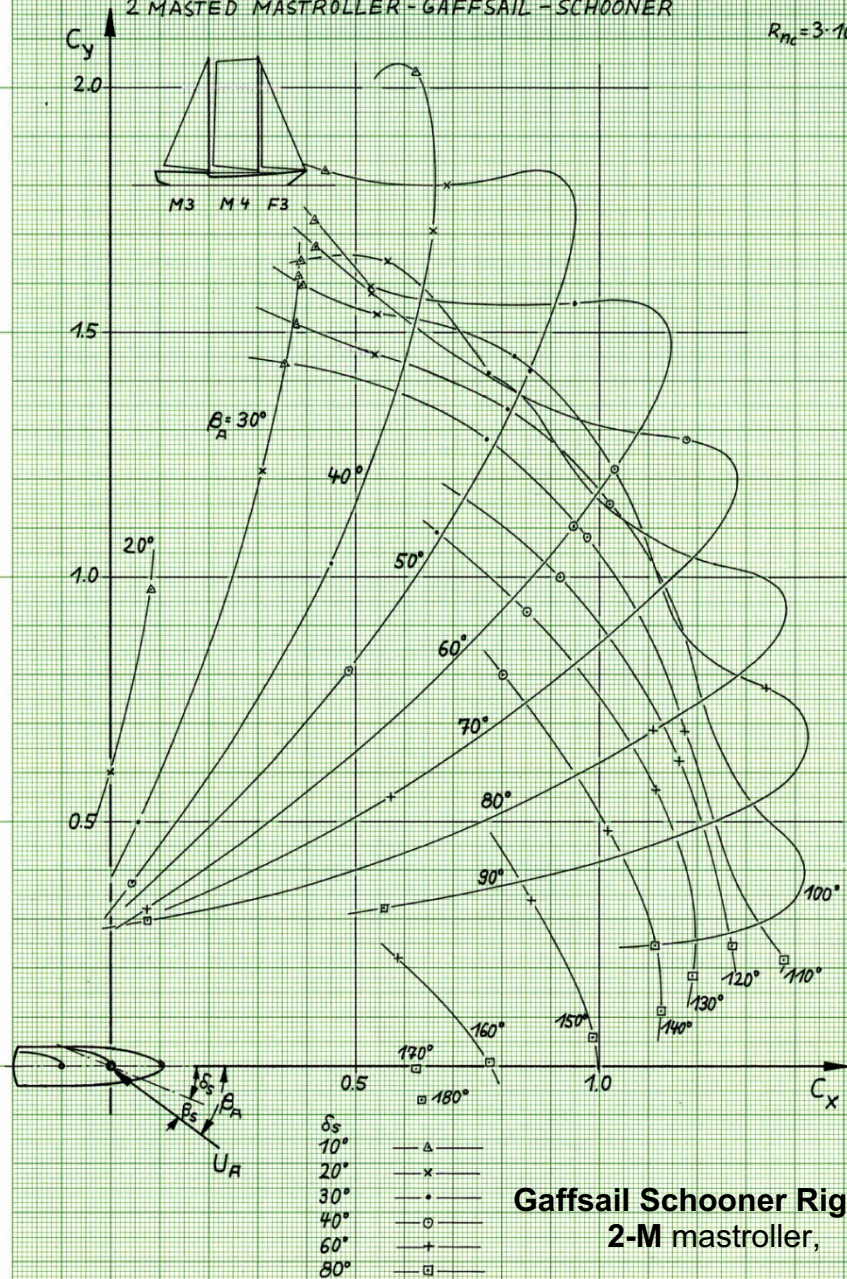
TRANSV. AND LONGIT. WINDFORCE COEFFICIENTS MODEL 1-R
ROLLERSAIL SLOOP

$$R_{nc} = 3 \cdot 10^5$$



TRANSV. AND LONGIT. WINDFORCE COEFFICIENTS MODEL 2-M
2 MASTED MASTROLLER-GAFFSAIL-SCHOONER

$$R_{nc} = 3 \cdot 10^5$$



TRANSV. AND LONGIT. WINDFORCE COEFFICIENTS MODEL 2-R
2 MASTED ROLLER-GAFFSAIL-SCHOONER

$$R_{nc} = 3 \cdot 10^5$$

