

POOL CLASSIFICATION

PROGRAM TITLE	ROOTS OF A POLYNOMIAL - BAIRSTOW'S METHOD				PROGRAM NUMBER	C2-200-3
DESCRIPTION:	LGP-30	STATUS	U.R.	GEN.	SPL.	REL. LOAN

The real and complex roots of an nth (n must be even) order polynomial are determined by Bairstow's iteration. A check polynomial is computed for comparison with the original.

There is no upper limit on n other than that imposed by working storage. Automatic scaling to prevent overflow of the floating point exponent has been included

SUPPLEMENTARY ROUTINES AND/OR SYSTEMS REQUIRED: 24.0 11.6, 12.6.

STORAGE REQUIREMENTS: 10 1/2 tracks + (6+5n) locations

PREPARED BY: R. McDonough and W. Huggins
 FOR: Johns Hopkins University
 ADDRESS: Baltimore, Maryland
 DATE: 3/22/65

POOL CLASSIFICATION

POOL CLASSIFICATION		C2	
POOL NUMBER		200	
TAPE FILE			
DATE	LOC.	DATE	LOC.
MOD. DEC. 3-22			
AB. DEC.			
HEX			
OTHER			
DOCUMENTATION FILE			
DATE	LOC.	DATE	LOC.
FLOW CHART 3-22			
CODING 3-22			
OPER. INST. 3-22			