

100

1964

59

1978

60

70

1983

DD4

DD4

DD4

80

DD4

DD4

C¹

DD4

1985

DD4

1984

28

28

C^1

1986

Liapunov

1987

1985

1984

1988

1996

Smale ,

Pugh , Block

1999

Trans. Amwe. Math.

Soc.

Block

Block

1996

Block