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Bibliography on Reversed Field Pinches
1958 - 1975

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Bibliography on Reversed Field Pinches: 1958-1975

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Since the early days of fusion research there have been studies on the Z pinch. Although the pure Z pinch was quickly found to be unstable, work on Z pinches (especially toroidal configurations) continued throughout the 1950's and 1960's. During the last few years there has been a steadily increasing interest in the Reversed Field (Toroidal Z) Pinch as a possible reactor system, and many of the results obtained on the early machines have been re-assessed in the light of modern day knowledge. Now new and bigger experiments are being designed (eg HBTX II, ZT-2) and it seems appropriate to produce a bibliography in this field.

The Reverse Field Pinch combines the high-beta performance of theta pinches with the toroidal equilibrium and stability about the major axis as in Tokamaks. Nevertheless this list of references does not deal with Tokamaks (or Belt Pinches, or Screw Pinches) nor in general does it deal with the extensive literature on trapped reversed field in theta pinches. This bibliography lists all relevant papers discovered by a search of the conference literature since 1958, and in addition many of the papers to which they referred. The list was originally compiled in August 1975 in time for the Pulsed High Beta Conference at Culham, but has since been updated to include all relevant papers presented both at this conference and at Lausanne (see conference list for full details), and the references which those papers listed. An author index has also been added.

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CONFERENCES

Many of the papers in this bibliography are from conference proceedings. The following abbreviations are used:-

APS

Papers presented at the American Physical Society, Division of Plasma Physics Annual Meeting. Abstract (only) in APS Bulletin on month/page given with the reference.

1974 meeting	Albuquerque, New Mexico	28-31 October
1973	" Philadelphia, Pennsylvania	31 October - 2 November
1972	" Monterey, California	13-16 November
1970	" Washington, D.C.	4- 7 November

Culham 1975

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