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Innovation,

a chess program by [Jeff Mallett](#), written in [C](#). Innovation played the [WMCCC 1991](#) in [Vancouver, Canada](#), the [ACM 1993](#), and as Innovation II, running on an [PowerPC Mac](#), the [ACM 1994](#)^[1]. Innovation was incorporated in commercial chess teaching products such as *Maurice Ashley Teaches Chess*^[2], and [Dr. Schiller's Chess Game & How to Play Chess](#)^[3].

Description

from [Don Beal's WMCCC 1991](#) report^[4] :

Written by Jeff Mallett, a newcomer to the computer-chess scene, it has been in full-time development for a year. It has some unusual features which include: not using [iterative deepening](#), never [evaluate](#) statically - obtaining all evaluation scores by [incremental changes](#) as [moves are made](#), only looking at newly available moves in the final stages of the [quiescence search](#), and estimating an "attack factor" distinct from the regular evaluation.

Selected Games

[WMCCC 1991](#), round 3, Innovation - [Centaur](#)^[5]

[Event "WMCCC 1991"]
[Site "Vancouver, Canada"]
[Date "1991.01.01"]
[Round "3"]
[White "Innovation"]
[Black "Centaur"]
[Result "1-0"]

1.d4 d5 2.c4 e6 3.cxd5 exd5 4.Nc3 Nf6 5.Bg5 Bb4 6.a3 Bxc3+ 7.bxc3 h6 8
.Bf4 Ne4 9.e3 c6
10.Ne2 g5 11.Bxb8 Rxb8 12.f3 Nd6 13.Qa4 a6 14.h4 gxh4 15.Qb3 Bd7 16.Nf
4 b5 17.Bd3 Qe7
18.Kd2 h5 19.Rae1 Rg8 20.e4 Nc4+ 21.Kd1 Be6 22.exd5 cxd5 23.Nxd5 Qd8 2
4.Nf4 Qd6 25.Nxe6
fxe6 26.Bxc4 bxc4 27.Rxe6+ Kf7 28.Rxd6 cxb3 29.Rd7+ Kf8 30.Rd5 Rxg2 31
.Rxh5 Rc8 32.Rh8+
Rg8 33.Rxg8+ Kxg8 34.Kd2 Rf8 35.Rxh4 Rxf3 36.Rh2 b2 37.Kc2 Rxc3+ 38.Kx
b2 Rd3 39.Rg2+ Kf7
40.Rg4 Kf6 41.a4 a5 42.Rf4+ Ke6 43.Ka2 Re3 44.Rf8 Rc3 45.Ra8 Rc4 46.Rx
a5 Kd6 47.Ka3
Rxd4 48.Rb5 Rc4 49.a5 Ke6 50.a6 Rc7 51.Rb7 Rc8 52.a7 Ra8 53.Kb4 Kd5 54
.Ka5 Ke4 55.Kb6
Rf8 56.Re7+ Kf4 57.Kb7 Kg3 58.a8=Q Rxa8 59.Kxa8 Kf4 60.Kb7 Kg5 61.Rf7
Kh5 62.Rg7 Kh6
63.Rg8 Kh7 64.Rg1 1-0

External Links

Chess Progam

- [Innovation's ICGA Tournaments](#)

Misc

- [Innovation \(disambiguation\) from Wikipedia](#)
- [Innovation from Wikipedia](#)

References

1. [^] [The 24th ACM International Computer Chess Championship](#) from [The Computer History Museum](#), pdf
2. [^] [Maurice Ashley Teaches Chess - Review](#) by [Daaim Shabazz](#)

3. ^ [Zillions of Games - Who Are We?](#)
4. ^ [Don Beal](#) (1991). *Report on the 11th World Microcomputer Chess Championship*. [ICCA Journal](#), Vol. 14, No. 2
5. ^ [Vancouver 1991 - Chess - Round 3 - Game 4 \(ICGA Tournaments\)](#)

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