D. Breuker gave a talk on *information in transposition tables*, based on a paper written with J. Uiterwijk and H.J. van den Herik. After presenting the current practice and options in implementing a transposition table, Breuker explained the results of his experiments to establish the relative importance of the pieces of information stored in the transposition table. One interesting finding was that storing bounds is more important than storing the best move. Since doubling the number of entries of a transposition table is not beneficial beyond a certain point, increasing the information stored per entry seems justified. Breuker experimented with storing the PV of a node, rather than storing only the best move, and discovered that only small improvements are possible.

Finally, H. Iida presented a paper on *the gains and risks of opponent model search*, a paper co-authored by I. Kotani, J. Uiterwijk and H.J. van den Herik. A more general algorithm than OM search was presented: OM*. Simulation experiments were run in order to determine which error likelihood and strength differences provide OM* search with gains or risks. The conclusion of the experiments confirms the intuitive hypothesis: OM* is an appropriate algorithm for playing weaker opponents, but imposes risks when applied against a stronger opponent. It would be very interesting to see how OM* search performs in a real chess program.

All in all, the conference was very interesting, with many ideas exchanged amongst the conference participants. We are looking forward to the next Advances in Computer Chess conference in 1999.

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**THE EXHIBITION GAMES**

*D.M. Breuker and H.J. van den Herik*¹

**MChess Pro 5.0 - IGM David Bronstein**

Maastricht, ACC8, game 1

25 minutes per player

**June 27, 1996, Scandinavian Defence**


**IGM David Bronstein - MChess Pro 5.0**

Maastricht, ACC8, game 2

25 minutes per player

**June 27, 1996, French Defence**


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