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DanaSah,

a [Chess Engine Communication Protocol](#), and since version **6.1** [UCI](#) compatible [open source chess engine](#) by [Pedro Castro](#), written in [C](#), and first released in January 2005 ^[1]. DanaSah's name is related to [Dana](#) of Daniela and [Sah](#), which means chess in [Romanian](#) ^[2]. Since DanaSah **6.1** in May 2016, [chess960](#) is supported, available as [Windows](#), [Linux](#) and [Android](#) binary.

Features

^[3]

- [Opening book](#) of [Pro Deo](#). Thanks to [Ed Schröder](#) and [Jeroen Noomen](#)
- [Bitbases](#) of [Scorpio](#). Thanks to [Daniel Shawul](#)
- [Board representation](#): [array](#) of 64, based on [FirstChess](#) ([Pham Hong Nguyen](#))
- [Aspiration search](#), window 15 and 150
- [PVS](#) and [quiescence search](#). Thanks to [Bruce Moreland](#) for his Web page
- [Transposition tables](#). Thanks to [Miguel Izquierdo](#) ([Popochin](#))
- [Adaptive Null move pruning](#), $R = 2-5$
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- [Search extensions](#): [check](#), [pawn on seventh](#), [recapture](#), transition to [pawn endgame](#)
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- [Move ordering](#): [hash move](#), [PV-Move](#), [captures](#), [promotions](#), [killer moves](#), [history heuristic](#)
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Tournament Play

DanaSah played on-line the [CCT9](#), [CCT10](#) and [CCT12 CCT Tournaments](#), and the [WCRCC 2007](#), the First Annual ACCA World Computer Rapid Chess Championship. Over the board, DanaSah played the [WCCC 2009](#) blitz tournament in [Pamplona, Spain](#) ^[4], and won the [4th Chess Computer Cup](#) in [Carugate, Italy](#) the same year, and further played the [IOCSC 2010](#) and [IOCSC 2012 Italian Open Chess Software Cups](#), the latter in the original category.

Photos & Games



[CCC 2009](#), round 1, [BremboCE](#) vs [DanaSah](#) operated by Sonia ^[5] ^[6]

```
[Event "Computer Chess Cup 4"]
[Site "Carugate"]
[Date "2009.11.07"]
```

```
[Round "1"]  
[White "BremboCE 0.6.2"]  
[Black "DanaSah v.4.24"]  
[Result "0-1"]
```

```
1.c4 b6 2.Nc3 Bb7 3.e4 e6 4.d4 Bb4 5.Qc2 Qh4 6.Bd3 f5 7.g3 Qh5 8.Bd2 N  
f6  
9.f3 Nc6 10.Nb5 fxe4 11.fxe4 O-O 12.Ne2 a6 13.Nbc3 Bd6 14.O-  
O Ng4 15.h4  
Nb4 16.Rxf8+ Rxf8 17.Qb3 Bxg3 18.Rf1 Rxf1+ 19.Kxf1 Nh2+ 20.Kg1 Qf3 21.  
Nxc3  
Qxc3+ 22.Kh1 Nf3 23.Qxb4 Qh2# 0-1
```

See also

- [Caligula](#)

Forum Posts

2005 ...

- [DanaSah 1.0 - GM Mario Gómez \(1-2\)](#) by [Pedro Castro](#), [CCC](#), July 08, 2005
- [DanaSah 1.6 vs Pablo Ignacio Restrepo \(Father\)](#) by [Pedro Castro](#), [CCC](#), July 13, 2005
- [danasah for linux](#) by [Pedro Castro](#), [Winboard Forum](#), March 18, 2008 » [Linux](#)
- [Update DanaSah and Caligula](#) by [Pedro Castro](#), [Winboard Forum](#), June 04, 2008 » [Caligula](#)

2010 ...

- [DanaSah 4.37](#) by [Graham Banks](#), [CCC](#), March 18, 2010
- [STS \[1-10\] Danasah 4.45](#) by [Swaminathan](#), [CCC](#), May 26, 2010 » [Strategic Test Suite](#)
- [DanaSah 5.00](#) by [Ruxy Sylwyka](#), [CCC](#), January 03, 2013
- [DanaSah and DanaSah-Z](#) by [Pedro Castro](#), [CCC](#), June 20, 2013
- [Test DanaSah 5.06](#) by [Pedro Castro](#), [CCC](#), July 03, 2013

2015 ...

- [Chess on Android](#) by [Pedro Castro](#), [CCC](#), April 19, 2016 » [Chess for Android](#), [Chess Engine Communication Protocol](#)
- [DanaSah 6.1 for Windows and Android](#) by [Pedro Castro](#), [CCC](#), May 25, 2016
- [DanaSah 6.5](#) by [Pedro Castro](#), [CCC](#), February 15, 2017
- [Danasah 7.0](#) by [Sergio Martinez](#), [CCC](#), October 09, 2017

External Links

Chess Engine

- [Chess Engine DanaSah](#)
- [Danasah's ICGA Tournaments](#)
- [Descriptions - Hispanic Chess Engines](#)
- [DanaSah](#) in [CCRL 40/40](#)
- [DanaSah](#) in [CCRL 40/4 FRC](#)

Misc

- [Dana from Wikipedia](#)
- [Dana - Wiktionary](#)
- [sah - Wiktionary](#)

References

1. [^](#) [DanaSah](#) from [WBEC Ridderkerk](#)
2. [^](#) [Chess Engine DanaSah | readme](#)
3. [^](#) [Chess Engine DanaSah | readme](#)
4. [^](#) [7th World Computer Chess Championship \(Blitz\) - Pamplona 2009 \(ICGA Tournaments\)](#)
5. [^](#) [Chess Computer Cup 4 - Photo Gallerie 1](#)
6. [^](#) [Chess Computer Cup 4](#)

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CCT12	Jan 28, 2018
CCT9	Aug 25, 2013
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Chess for Android	Mar 1, 2018
DanaSah	Oct 9, 2017
Eigenmann Endgame Test	Jun 1, 2017
Engine releases	Apr 23, 2018
Engines	Mar 10, 2018
IGWT 2013	Jun 23, 2014
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