

[Home](#) \* [Engines](#) \* **Cube**

Cube <sup>[5]</sup>

**Cube**,  
a chess program from the early 80s, written in [Fortran IV](#) by [Lloyd L. Lank](#) <sup>[1]</sup> and [James A. Lank](#), at that time affiliated with *United Computing Inc.* <sup>[2]</sup>, [Kansas City, Missouri](#). Cube ran on a [Cray-1](#), participating as Cube 2.0 at the [ACM 1980](#) <sup>[3]</sup>, and as Cube 2.1 the [ACM 1981](#) <sup>[4]</sup>.

## Table of Contents

[Description](#)

[External Links](#)

[References](#)

[What links here?](#)

## Description

A brief description is available from the [ACM 1980](#) tournament booklet <sup>[6]</sup>:  
[Cray-1](#), United Computing, Kansas City (512k; 64 bits; 80,000,000 inst/sec)

Cube 2.0 is an updated version of Cube 1.1. It executes on either the Cray-1 or on an Honeywell 60/80 provided by Honeywell in Minneapolis. The program is written in [Fortran](#), uses [alpha-beta](#) algorithm and [iterative deepening](#). On the Cray-1, the Lanks say the program examines 4,000 [nodes per second](#). This is its first ACM tournament.

## External Links

- [Cube from Wikipedia](#)
- [Cube \(film\) from Wikipedia](#)

- [The Cube \(1969 film\) from Wikipedia](#)

## References

1. [^ LLOYD L. LANK, OVERLAN..., - a Trademark Correspondent](#)
2. [^ United Computing Systems, Inc. Company Profile - Located in Kansas City, MO](#)
3. [^ The Eleventh ACM's North American Computer Chess Championship, pdf](#) from [The Computer History Museum](#)
4. [^ The Twelfth ACM's North American Computer Chess Championship, pdf](#) from [The Computer History Museum](#)
5. [^ A rotating hexahedron \(cube\). Animated GIF](#) created by [Kjell André](#), [CC BY-SA 3.0](#), [Wikimedia Commons](#), [Cube from Wikipedia](#)
6. [^ The Eleventh ACM's North American Computer Chess Championship, pdf](#) from [The Computer History Museum](#)

## What links here?

Page	Date Edited
<a href="#">ACM 1980</a>	Dec 25, 2017
<a href="#">ACM 1981</a>	Jan 19, 2018
<a href="#">Cray-1</a>	Dec 25, 2017
<a href="#">Cube</a>	Apr 23, 2017
<a href="#">Engines</a>	Mar 10, 2018
<a href="#">James A. Lank</a>	Jun 13, 2015
<a href="#">Lloyd L. Lank</a>	Nov 30, 2017

[Up one level](#)