# Chess Analytics Training with a Grandmaster

Foreword by Robert Zysk

# **Efstratios Grivas**

N.Sphicas

# **Chess Analytics**

# Training with a Grandmaster

by

# Efstratios Grivas

Foreword by Robert Zysk



2012 Russell Enterprises, Inc. Milford, CT USA Chess Analytics Training with a Grandmaster by Efstratios Grivas

© Copyright 2012 Efstratios Grivas

All Rights Reserved. No part of this book may be used, reproduced, stored in a retrieval system or transmitted in any manner or form whatsoever or by any means, electronic, electrostatic, magnetic tape, photocopying, recording or otherwise, without the express written permission from the publisher except in the case of brief quotations embodied in critical articles or reviews.

ISBN: 978-1-936490-41-7

Published by: Russell Enterprises, Inc. PO Box 3131 Milford, CT 06460 USA

http://www.russell-enterprises.com info@russell-enterprises.com

Cover design by Nicolas Sphicas with Janel Lowrance

Printed in the United States of America



#### **Table of Contents**

Foreword by Robert Zysk	5
-------------------------	---

#### The Middlegame

Pinning	7
Shattered Kingside Pawns	11
The Weak d5-square	18
The Important f5-square	25
Rook on the Run	30
Sacrifices for the Initiative	36
The Central Strike	41
Mate on the Back Rank	47
Dancing Knights	57
Doubled f-pawns	63
Queen Sac around the King	73
A King's Golden Cage	81
The Useless Isolani	88
Driving Forces	96
Emptying the Queenside	102
False Guards	107
The Double Exchange Sacrifice	114
Losing a Queen	120
Twins	126
The f4 Break	131
Planning	137
Recipes from the Grandmaster's Kitchen	143
Opening Diagonals	146
Small Advantages	153

#### Chess Analytics

#### The Endgame

Keep Your Rooks Active!	164
A Trapped Rook	170
Losing a Drawn Rook Ending	175
Technical Rook Endings	180
The Isolani in the Endgame	187
Knight and Three Pawns vs. Rook	193
Rook vs. the Bishop Pair	198
The Bishop Pair vs. the Exchange	202
Pawns on the Seventh Rank	206
A King's March	214
Pawn Endings	220
Rook and Knight	228
Rook and Rook-pawn vs. Bishop & Rook-pawn	231
The Square	248
Queen vs. Rook	253

#### Miscellaneous

Critical Games	262
Strength of a Novelty	280
The a7 Forepost	288
David Bronstein (1924-2006)	292
Facing a Good Friend	300
FIDE World Cup 2007	303

Player Index	312
Opening Index	316
Bibliography	319
About the Author	320

#### Foreword

Why do we read a chess book? There are mainly two reasons: we seek entertainment and we want to improve our play.

While certainly entertaining, this book is clearly dedicated to the ambitious player who has reached a certain level and wants to improve even further.

You want to advance from a medium player to a stronger player, from a strong player to a master? Well, you have made an excellent choice.

Based on the analysis of high level games you will be presented with and have explained (this is something that your chess engine won't do for you!) important middlegame and endgame patterns, winning strategic plans, and typical mistakes. Several personal remarks about the author's and his students' tournament practice add another dimension, as you get an idea about the emotions involved in a tournament game.

There is a broad range of the subjects which are covered. You will find wellknown subjects like back rank mate combinations, chapters about isolated pawns, strong squares, etc., as well as less commonly presented patterns, such as the chapters "False Guards" or "The King's Golden Cage." The guiding principle of these themes is their practical value. This is particularly true in the endgame section where the author deals with structures which occur relatively often but are rarely presented in chess literature.

The structure of each chapter is clear and methodical. The concept is explained in a few lines and illustrated in carefully selected, annotated master games. A conclusion with practical hints rounds off each section.

Working through the book will increase your general understanding of chess. Thus your progress will be permanent and sustainable. Unlike opening theory which is subject to rather dramatic changes in a relatively short period, the principal rules of chess strategy have remained the same over time.

Personally, I particularly enjoyed the chapters about "Dancing Knights" and "Decisive Games" and the entire section about endings. Yes, sometimes you will need to go through a lot of analysis in this section but there is a good chance that this work will bring you the desired extra half-point in your tournament games.

Some remarks about your author. I have known and have been good friends with Efstratios (Stratos) Grivas now for 30 years. He is a grandmaster and by definition an excellent player. But more importantly for you he is one of the world's leading chess trainers, one of those who can help you to become a grandmaster. (Well, I do admit that achieving that goal takes more than reading one book. It takes talent, time and tournament practice and... some luck!)

Having been "brought up" as a chessplayer by leading trainers of the Eastern European Chess School, he has devoted almost two decades of his life to chess training. Consequently he is now an executive member of the FIDE trainer's commission. This position compels him to travel a lot, giving classes to future FIDE Trainers.

Bottom line: you are in the safe hands of a real expert who is dedicated to chess training. That's the good news.

#### **Chess Analytics**

Now the bad news: buying Stratos' book and even reading it is not enough. You have to work with it, you have to play through the games, follow the analyses and understand the concepts presented to reap the real benefits. This means that you will have to spend time and effort. And, of course, you will need to play some tournaments to put into practice what you learned.

On the other hand, if you make that effort, you are almost sure to improve your success at chess substantially. And that's what you *really* want, right?

I sincerely wish to all of you that you will experience this effect!

International Master Robert Zysk Germany March 2012

#### Pinning

#### The Middlegame

#### Pinning

#### Concept

The concept of pinning is a very simple one, as its definition is rather basic: the piece that is pinned cannot move either because it allows the opponent to win material or because it is simply forbidden to do so!

Pinning a piece is an everyday action during a chess game, but the question remains: how can we really benefit from a pin? Well, there are many ways but the most often met are:

(1) Instantly winning material;

(2) Long-term win of material;

(3) Disrupting the opponent's camp; and

(4) Help an attack or a defense.

Here we are going to see some examples that mostly deal with the second concept. We shall start with the long-term pinned rook concept and the way to benefit from it. The first game is a clear case of our theme:

(1) Sulava – Kryvoruchko Calvi 2007 Queen's Gambit Declined [D41] 1.全f3 c5 2.c4 全f6 3.全c3 全c6
4.g3 d5 5.d4 e6 6.c×d5 全×d5
7.奠g2 鼻e7 8.0-0 0-0 9.全×d5
e×d5 10.d×c5 鼻×c5 11.鼻g5 f6
12.鼻d2 鼻e6 13.e3 d4 14.e×d4
全×d4 15.鼻e3 全×f3+ 16.螢×f3
鼻×e3 17.螢×e3 營d7 18.莒fd1 營f7
19.鼻×b7 莒ab8 20.鼻f3 莒×b2
21.莒d6 莒b6 (D)



Black seemed to have everything under control, but he had missed a detail:

22.營×e6! 營×e6 23.罝×e6 罝×e6 24.負d5 罝fe8

Or 24...當f7 25.邕e1 邕fe8. **25.邕e1 當f7** (D)



Of course Black had counted on that position, based on his ...f5 and ...\$f6 plan.

> **26.f4! f5** Or 26...g6 27.g4 f5 28.g5+-. **27.g4! g6** 27...<sup>©</sup>f6 28.g5+ **28.g5**

And now Black can never unpin his rook without losing a great deal of material.

28...h5 29.邕e5! (D)

the purpose of protecting the back rank. 25.❀h1 ⊮f2! would only help Black.

**25...∜b5** (D)



#### 26.**₿**g3!

By switching the queen to the kingside, White renews the threats of 2c7 and f6.

#### 26....@e5?!

26... $\exists$ ac8 may have been more tenacious, but after 27.f6 g6 28. $2e^7+$ (28. $2c^7$ ?  $\exists \times c^7$ ! 29. $\forall \times c^7$   $2c^5$ ) 28... $\exists \times e^7$  29.f×e<sup>7</sup>  $2e^5$  30.\$f2  $2\times d3+$ 31. $\forall \times d3$ , Black's position remains unpleasant because of the strong passed e<sup>7</sup>-pawn. 26... $\exists$ ad8?! does not help either: 27.f6 g6 28. $2c^7$  \$f5+ 29.\$f3+-.

#### 27.f6g628.營g5當h829.營h6 筥g830.公c7 營c4

For the second time in this game, Black faces the threat of  $\bigotimes h7+!$ . Therefore, he has to keep the d3-rook pinned (30... $\bigotimes c6?$  31. $\bigotimes h7+!$ ), or the h3square under control.

31.b3 曾g4 32.莒d4 曾f5+ 33.闫f4 勾g4 (D)



If 33...\"c2?, then the usual 34.\"×h7+! comes and if 33...\"h5, then 34.\"×h5 g×h5 35.\"a>×a8+-.

#### 34.**₿**g7+!

White simplifies to a won ending with an extra knight.

34...莒×g7 35.f×g7+ 當×g7 36.莒×f5 g×f5 37.白×a8 白e3+ 38.當e2 白×d1 39.當×d1 當f6 40.當d2 當e5 41.公c7 f4 42.當d3 a6 43.白a8 1-0

#### Conclusion

The initiative should not be handed over "free of charge," as our opponent should not be our cooperative friend – at least this should not happen often and not without a weak move or a bad opening by our opponent. So, sacrifices for the initiative should be on the daily menu but they should be handled with care and with a strong positional foundation. Non-standard combinations are based on sound positional domination grounds and they crown our ideas and plans, resulting in nice points!

#### The Central Strike

#### Concept

One of the less acknowledged and analyzed strategic/tactical elements is the so-called "central strike." This concept refers to the unexpected advance of a central pawn or pawns, temporarily disrupting the flow of the position. Its aim is destruction or domination of the opponent's pawn center or pawn chain.

The element of the central strike is of a short-term nature and, while initially giving rise to a multitude of dynamic continuations, it eventually resolves itself, becoming stable, following the expected central clarification. Taking into account that the situation in the center is the basic point of reference for both sides' plans, such a violent mutation may force a reassessment of the situation or even fundamentally reshape the position.

It has often been observed that after the execution of a central strike, one's opponent temporarily lies in a state of shock, as this violent attempt to disturb the existing situation causes immense psychological pressure.

### (25) Grivas – Svetushkin Athens 2001 English Opening [A11] 1.c4 c6 2.公f3 公f6 3.公c3 d5 4.e3 公bd7

This seems more accurate than 4...e6 as Black retains the option of 5...e5. After 4...e6 5.b3 @d6 6.@b2 0-□e810.□fd1d×c411.□×c4b512.□f1 <sup></sup> ▲b7 13.a4 a6 14. 2e4 2×e4 15. <sup>a</sup>×e4 e5 16.d4 is unclear, Grivas-8.@e2 \existsee (8...@e4!? 9.@xe4 dxe4 10. 2d2 f5 11.0-0 曾e7 12.c5 鼻c7 13. 2c4 is unclear, Grivas-Khenkin, Albania 1996; 8...a6 9.0-0 d×c4 10.b×c4 c5 Grivas-Mastrovasilis, Ikaria 1997) 9.0-0 a6 10.\"c2 d×c4 11.b×c4 e5 12.a4 \"e7 13.a5 e4 14.2d2 2f8 15.c5 2c7 16.②c4 ②g4 the position is unclear, Grivas-Mastrovasilis, Thessaloniki 1998.

#### 5.眥c2

The evaluation of 5.b3 e5 is a matter of personal taste.

#### 5...e6

5...e5? 6.c×d5 ④×d5 (6...c×d5? 7.句b5!) 7.a3 leads to a favorable "Sicilian Defense" type of position with reversed colors. If Black is determined to play ....e5 then he should insert 5....a6!?.

#### 6.b3 鼻d6 7.鼻b2 0-0 8.鼻e2 營e7

Another option for Black is 8...a6 9.d4 營e7 (9...e5 10.c×d5 c×d5 11.d×e5 ②×e5 12.0-0±) 10.0-0 d×c4 11.b×c4 e5 12.a4, with unclear play.

**9.0-0 b6?!** (D)



9...Ξe8 or 9...a6 was to be preferred. The move ...b6 is good when White has already played d4.

#### 10.c×d5! c×d5?!

A second consecutive inaccuracy by Black, who should have accepted a slightly worse position after  $10...2\times d5$ . Note that  $10...e\times d5$  is even worse because of 11.2d4! &b7 12.2f5!.

#### 11.幻b5! **鼻a6 12.**筥fc1

White treats the position accurately. Since the main conflict will take place on the queenside, the white pieces are transferred to the battlefield without interrupting their mutual coverage, simultaneously freeing a path for the queen's retreat.

#### 12...闫fc8 13.皆d1 鼻c5

Black does not wish to surrender the bishop pair. 13...  $a \times b5$  14.  $a \times b5$ a = 3 15.  $a \times a3 = 3$  16. a = 44 a 6 17. a = 62a = 20. b = 42 a 6 17. a = 62a = 20. b = 20 a 6 12 a

#### 14.a3! **A**×b5

In face of the threat 15.b4, Black

had no choice. Now, however, White obtains the advantage of the two bishops which will prove to be of decisive importance.

 15. 
 x b5 a6 16. 
 e2 (D)

#### 16...b5

Seemingly strong, but in fact it only succeeds in further weakening Black's queenside. 16...a5 is better, though after 17. b5 White has the advantage. I would say that in this position Black's main problem is the absence of a decent plan. He is condemned to passivity and defense without much chance for the full point.

#### 17.a4! b×a4

#### 18.b×a4 a5 19.鼻b5

The b5-bishop's field of action has now grown. The light squares in Black's queenside (and especially c6) are very weak.

#### 19....負b4 20.勾d4 勾e5 21.d3!

What a huge difference it would have made if White had mechanically played d4. The b2-bishop would be restricted, the d4-knight would be unable to come across to c6 while the c4-square would become an outpost for a black knight! White is better as he has the two bishops and better-placed pieces, aiming at Black's weakened queenside. Black remains passive, defending White's threats.

#### 21...**₿d6 22.h**3

Making *luft* for the king, preventing a future ... 2g4 and also threatening f4.

#### 22...h6 23.\(\med c2!\)

White now threatens to wrest control of the c-file as well with  $24. \exists ac1.$ 23... $\bigcirc ed7 24. \bigcirc c6 \textcircled{Ph7}(D)$ 



White has a clear advantage and could continue with the simple 25.\arrow acc1 or with 25.\arrow b4. However, my attention was drawn to the possibility of opening up the center...

#### 25.e4! e5

**26.d4!!** (D)



A powerful central strike, after which Black's position collapses. The black pieces remain uncoordinated and unprepared to react to the explosion in the center.

#### 26...e×d4

Black's alternatives were hardly of any help: after 26...d×e4? 27.d×e5

☆×d1+ 28.∃×d1 he loses a piece while he also loses material in the event of 26... ②×e4 27.d×e5 營e6 28. ②d4! 營e7 29. Qc6!.

#### 27.�\×b4 a×b4?!

Unpleasant as it may have been, 27....<sup>™</sup>×b4 28.e×d5 was Black's only chance.

28.闫×c8! 闫×c8 29.씁×d4 씁c5

Black submits to his fate as the only move, 29... De8, after 30.e×d5, would promise White a slow but certain victory.

#### 30.e5 1-0

The central strike is an old concept; see the following game of the great Mikhail Botvinnik:

#### (26) Botvinnik – Bisguier

Hastings 1961 English Opening [A14]

1.g3 d5 2.会f3 会f6 3.奠g2 e6 4.0-0 奠e7 5.c4 0-0 6.b3 c6 7.奠b2 b5 8.d3 会bd7 9.会bd2 奠b7 10.營c2 邕c8 11.e4 營b6 12.e5 会e8 13.d4 c5 (D)



Black seems to be doing fine, although his passive e8-knight needs to be relocated. But White is on move and he can set the board on fire...

#### 14.b4!

A pawn sacrifice that allows White to obtain a protected passed pawn.

#### 14...c×b4

Black is forced to accept the chal-

lenge, as 14...b×c4?! 15.b×c5 營a6 16.②b1± or 14...d×c4? 15.d×c5 營c7 16.a4 a6 17.②e4+- were unpleasant alternatives.

#### 15.c5 當c7 16.皆d3 鼻c6 17.闫fe1

White could consider 17.a3!? a5 (17...b×a3 18.營×a3 \(\Bar{a}\)a8 19.\(\Delta\)c3∞/=) 18.a×b4 a4 19.\(\Delta\)fe1±.

#### 17...g6?!

Black should have played, 17...a5 stopping White's potential activity on the queenside. White has compensation after 18. f  $1 \infty /=$  when he will be focused only on the kingside.

18.a3! b×a3 19.營×a3 莒a8 20.眞c3 眞d8 21.劉b3

White's compensation is obvious based on his space advantage and his passed c-pawn. Black can hardly move because of his lack of space.

21... ②g7 22. **凰a5 營b7** 23. **凰**×d8 闫f×d8 24. **③a5 營c**7 (D)



#### 25.筥e2!

With the simple plan of De1-d3b4 and also tripling the heavy forces on the a-file, winning back the sacrificed pawn. Black is in trouble as he cannot oppose any decent plan.

#### 25...a6 26.分e1 分f5 27.世c3 b4?

Black is trying to find some counterplay and breathe but he was obliged to hang onto his extra pawn. Good or bad, he had to stay passive with 27... 2b8 28.2d3 2e7 29.2b4 2b7

#### 30.\angle ea2±.

#### 28.營×b4 筥db8 29.營c3 筥b5 30.筥ea2 f6 31.公×c6

 $31.f4 \text{ f} \times e5 32.f \times e5 \pm \text{ was good}$  enough.

31...曾×c6 32.負f1

Safer was 32.e×f6 ②×f6 33.♀f1+-. 32...f×e5 33.♀×b5 營×b5

#### 34.**d**×e5

White has won material and the end is near; he only needs to make some exchanges!

34...d4 35.營d3 營×c5 36.Ξ×a6 Ξ×a6 37.營×a6 營×e5 38.勾d3 營f6 39.營c8+ 勾f8 40.三a8 勾d6 41.營d8 營×d8 42.三×d8 勾b5 43.勾e5 營g7 44.勾c6 1-0

The central strike can be used to open lines and diagonals for various beneficial reasons. One of them is to attack the king, as can be seen in the following example:

#### (27) McCambridge – Hjartarson Grindavik 1984

Grünfeld Defense [D85]

1.d4 勾f6 2.c4 g6 3.勾c3 d5 4.c×d5 勾×d5 5.e4 勾×c3 6.b×c3 負g7 7.勾f3 c5 8.罝b1 0-0 9.負e2 勾c6 10.d5 勾e5 11.勾×e5 鼻×e5 12.營d2 e6 13.f4 負h8 14.c4 罝e8 15.e5 f6 (D)



This is a theoretical position in which White seems to be doing fine, but his strong pawn center is under fire.

#### 16.f5!?

A full central strike, with the participation of five pawns! White aims to strip the black king and then attack it.

#### 16...g×f5?!

16...f×e5?! probably is not that good: 17.f×g6! (17.f×e6  $\forall$ h4+ 18. $\forall$ d1  $\triangleq$ ×e6! 19. $\exists$ ×b7  $\triangleq$ c8∞) 17...h×g6 18.0-0  $\equiv$  but 16...e×d5!? 17.f×g6 h×g6 18.c×d5  $\exists$ ×e5 19.0-0∞/= Agzamov-Pribyl, Sochi 1984, is interesting.

#### 17.莒b3

New forces are joining the attack! 17...冱e7

If 17...ዿg7?!, then 18.\[g3 f×e5 19.\[b]h6 \[]e7 20.\[b]b2 e×d5 21.\[].×e5 \[b]d7 22.\[]f6 \[]f7 23.0-0±.

#### 18.d6!

Excellent! There wasn't much in 18. △b2?! f×e5 19. 營g5+ △g7 20. △×e5 h6!=, Eingorn-Tukmakov, Lvov 1984.

#### 18...莒g7 19.e×f6 營×f6

Black's options are limited: 19...Ξ×g2 20.☺f1! Ξg6 21.Ձh5±.

#### 20. 🗳 b2 e5?! (D)



20... 3d8 21.  $2d \times g7 22.$   $f3 \pm$  was Black's only chance.

#### 21.**@**×e5!

A nice combination, but  $21.\Xi e3!$  was good as well.

#### 21...曾×e5 22.邕e3 皆e6

Black decided to give up his queen. He could instead win a second piece as well with 22... at 1 + 23. af 2 at 1 but he would not be saved after 24. Ee8+ af 7 25. Af 5+ Eg6 26. A × g6+ at × g6 (26...h×g6 27.莒e7+ 當f6 28.營c3+ 當g5 29.營g3+ 當f6 30.營h4+ g5 31.營h6#) 27.莒g8+ 當f6 28.營e3+- and if 22...營d4, then 23.莒e8+ 當f7 24.鼻h5+ 莒g6 25.營×d4 鼻×d4 26.d7+-.

23.罝×e6 鼻×e6 24.皆e3 罝e8 25.皆×c5

And now White wins.

25....邕×g2

25...b6 26.\\$b5 \\$d8 27.c5+-

26.d7 Ξ×e2+ 27.當×e2 鼻×d7+ 28.當d2 鼻e6 29.當c7 鼻d4 30.賞b1 鼻b6 31.當g3+當f7 32.當h4 莒d8+ 33.當c2 莒d4 34.當×h7+ 當f6 35.當h8+ 當f7 36.當h7+ 當f6 37.莒×b6! 莒×c4+ 38.當d3 a×b6 39.h4 莒a4 40.營h6+當f7 41.h5 f4 42.營g6+當e7 43.h6 莒a3+ 44.當e4 莒a4+45.當e5 莒a5+46.當×f4 莒a4+ 47.當e3 莒a3+ 48.當d4 1-0

Well, the central strike is not always the proper reaction. Here is an instructive example that can prove it:

#### (28) Smyslov – Chandler

Hastings 1988

Nimzo-Indian Defense [E32]



White's advantage is obvious and it is based mostly on his space advantage and the bishop pair. But Black seems to be defending on his three first ranks.

#### 25.e5?

The exchanges that are invited by White cannot be correct. 25.營b5 would preserve White's advantage.

#### 25...d×e5 26.氨×e5 勾f×e5 27.鼻×e5 曾c5+! 28.當h1 勾×e5 29.買×e5 e×d5?

After the obvious 29...\vert ×c4 30.\vert ×c4 \vert ×c4 31.d×e6 \vert ×g2+ 32.\vert ×g2 \vert e8 Black should hold easily.

#### 30.c×d5 當h8 31.筥ae1

Now White's strong passed pawn and his well-placed rooks will tell in the end.

#### 31...h6 32.h4

32.≌d3! ≌f8 33.≌g6± was stronger.

32....莒d8 (D)



#### 33.₿d3!

White finally found the correct idea; now Black is in deep trouble...

33...,莒bc8 34.曾g6 莒g8 35.真e4! 1-0

#### Conclusion

The concept of the central strike is not easy to explain with rules and plans. It is not often encountered and its peculiarities are unique in practically every single game. Nevertheless, I have