

KAWG report for the 2024 FreeKnown Figure-sets (Version V2)

13 November 2023

Dear CIVA Delegates:

NAC submissions of Figure-sets for the FreeKnowns for 2024 in all categories were received as follows:

- 7 proposals for Unlimited (A to G)
- 12 proposals for Advanced (A to L)
- 4 proposals for Intermediate (A to D)

Many thanks to the 11 countries who submitted the numerous proposals.

CIVA's KAWG Experts have now reviewed the proposals individually and have returned their opinions and rankings.

In addition, the SWG has following comments:

Unlimited A: Fig 3 double negative flick and half loop down wobblies and black-out.

Unlimited C: Fig 1 same comment but smaller risk.

Unlimited D: Fig 3 risk of wobblies after 2 x opposite $\frac{3}{4}$ flicks going 45 degrees.

Unlimited G: Fig 1 risk of BO, Fig 5 has 3 flicks! Set not recommended.

Unlimited Figure sets B, E and F: No comments with regards to safety.

Advanced C Fig 5, E Fig 5, G Fig1: Risk of black-out depending on the length of the negative line before the spin and particularly at the beginning of the season.

Unlimited:

The KAWG Experts compounded ranking gives Figure-set D the lead, although there were comments for Fig C with regards to the $\frac{3}{4}$ positive and negative flick combination. Figure-sets B and F followed right behind, although it was noted that in Figure-set B, Fig C and D have high coefficients.

Advanced:

There was a large selection submitted this year. Figure-sets A to I were considered ok by all Experts, but for Figure-sets J, K and L their opinions were diverging quite a bit. In the end, Figure-set E was top rated by 3 out 4 experts, followed by Figure-sets B, C and F.

Intermediate

All 4 propositions have been found as acceptable by the Experts.

Figure-set C got the best appreciation from the Experts, very closely followed by Figure-set A.

Figure-sets D and B are also considered ok and ranked 3 and 4 by the Experts.

The Expert's remarks and ranking can be found below. All FreeKnown Figure-set documents are also published in the Agenda items of the 2023 Plenary meeting.

Hanspeter Rohner

and the KAWG Experts:

Coco Bessiere

Rob Holland

Louis Vanel

Nigel Hopkins

Expert's analysis of Unlimited FreeKnown Figure-sets for 2024

KAWG Expert Analysis for UNL FK Figures 2024

Free Known figures: proposals for 2024 Unlimited		Claude Coco Bessiere		Rob Holland		Louis Vanel		Nigel Hopkins	
	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	Notes
A	<p>Unlimited A Total K 227</p>	7	<p>Fig B not interesting diving 45 deg. Tailslide must be downwind, therefore, too difficult to build.</p>	No	Correct set. Just fig D not interesting for sequence construction (start/exit same way).	6	Lower overall K	5	
B	<p>Unlimited B Total K 241</p>	3	<p>Correct sequence. Very high coefficient in fig C and D</p>	2	Appropriate mix of figures. Nothing dangerous. Will link moderately well.	5	Good variety of figures. High K factor for fig C and D	1	
C	<p>Unlimited C Total K 237</p>	4	<p>Fig B will be necessarily first position. Big loss of altitude in fig D.</p>	4	Nothing Dangerous. Appropriate figure mix.	4	Correct and interesting set of figures.	4	Some complex figures. Interesting for positioning.
D	<p>Unlimited D Total K 232</p>	1	<p>Interesting sequence. Good balance of coefficients. Lots of work for different 3/4 flicks. interesting fig C.</p>	1	Good mix of figures. Nothing dangerous. Easy to link to other figures. Energy is no issue. Appropriate level of difficulty.	3	Fig C potentially high flick entry speed. Hi-speed flick from knife edge. Unlimited beginners.	6	
E	<p>Unlimited E Total K 227</p>	6	<p>Fig 1 and 4 not allowed in Unknown. Not necessary to work too many rolls or flicks.</p>	No	Correct set.	1	Some figures require high energy to start. Fig E simple.	2	
F	<p>Unlimited F Total K 237</p>	2	<p>Correct sequence. Good balance of coefficients.</p>	3	Good mix of figures. A little more difficult to connect together. Nothing dangerous.	4	Fig A high K. Some simple figures.	3	
G	<p>Unlimited G Total K 230</p>	5	<p>3 flicks in fig 5. Why not 4?</p>	No	Correct set and original. Safety in fig A: G-loc risk	7	Potentially high speed flicks Fig E. Many flicks in sequence.	7	

Expert's analysis of Advanced FreeKnown Figure-sets A to F for 2024

KAWG Expert Analysis for ADV FK Figures 2024

Free Known figures proposals for 2024 Advanced				Claude Coco Bessiere		Rob Holland		Louis Vanel		Nigel Hopkins	
	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	Notes	Order of preference	
Advanced A Total K 160	<p>Fig A: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig B: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig C: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig D: 7.2.1.(36) 8.1.1.(111) 8.1.1.(112) 8.1.1.(113) K: 29</p>	6	Ok	Good sequence. Big loss of altitude in fig A	2	Correct set.	5	Correct set.	11		
Advanced B Total K 175	<p>Fig A: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig B: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig C: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig D: 7.2.1.(36) 8.1.1.(111) 8.1.1.(112) 8.1.1.(113) K: 29</p>	5	Ok	No problem.	2	Correct set.	7	Variety and balance	2		
Advanced C Total K 173	<p>Fig A: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig B: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig C: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig D: 7.2.1.(36) 8.1.1.(111) 8.1.1.(112) 8.1.1.(113) K: 29</p> <p>Fig E: 8.6.5.(212) 9.1.1.(130) 9.1.1.(131) 9.1.1.(132) K: 34</p>	3	Good mix of figures. Easy to link. No energy issues. Nothing dangerous.	3	Good sequence.	1	Correct set.	4	Correct set.	10	
Advanced D Total K 161	<p>Fig A: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig B: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig C: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig D: 7.2.1.(36) 8.1.1.(111) 8.1.1.(112) 8.1.1.(113) K: 29</p> <p>Fig E: 8.6.5.(212) 9.1.1.(130) 9.1.1.(131) 9.1.1.(132) K: 34</p>	7	Ok	Correct. Fig 3 technically difficult	2	Correct set.	8	Low energy for flick Fig C.	12		
Advanced E Total K 170	<p>Fig A: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig B: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig C: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig D: 7.2.1.(36) 8.1.1.(111) 8.1.1.(112) 8.1.1.(113) K: 29</p> <p>Fig E: 8.6.5.(212) 9.1.1.(130) 9.1.1.(131) 9.1.1.(132) K: 34</p>	1	Good mix of figures. Easy to link. No energy issues. Nothing dangerous.	1	Interesting.	1	Correct set. Quite technical.	9	Variety and challenging.	1	
Advanced F Total K 173	<p>Fig A: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig B: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig C: 8.6.4.(104) 9.1.1.(132) 9.1.1.(162) 9.1.1.(163) K: 32</p> <p>Fig D: 7.2.1.(36) 8.1.1.(111) 8.1.1.(112) 8.1.1.(113) K: 29</p> <p>Fig E: 8.6.5.(212) 9.1.1.(130) 9.1.1.(131) 9.1.1.(132) K: 34</p>	8	Good mix of figures. Easy to link. No energy issues. Nothing dangerous.	8	Fig 5 left or right flick	1	Fig A: altitude and speed management.	11	Interesting for positioning.	3	

Expert's analysis of Intermediate FreeKnown Figure-sets for 2024

KAWG Expert Analysis for INT FK Figures 2024

Free Known figures proposals for 2024 Intermediate				Claude Coco Bessiere		Rob Holland		Louis Vanel		Nigel Hopkins	
	NOTES	Order of preference	NOTES	Order of preference	NOTES	Order of preference	NOTES	Order of preference	NOTES	Order of preference	
A	Intermediate A Total K 109		1	Good balance of coefficient. No problem for intermediate level.	Fig D will be difficult to link and keep in the box.	4	Interesting for positioning.	1			
	Intermediate B Total K 110		3	Good sequence.	Good figures. Nothing dangerous.	3	Interesting for positioning. Potential low energy Fig D.	4			
	Intermediate C Total K 102		2	Easy sequence.	Good figures. Nothing dangerous. Easy to link together. Appropriate level of difficulty.	1	Potential low energy Fig B.	3			
	Intermediate D Total K 109		4	Good sequence.	Good figures. Nothing dangerous. Appropriate level of difficulty.	2	Interesting for positioning.	2			