一个有趣的拼图游戏——Untouchable 11

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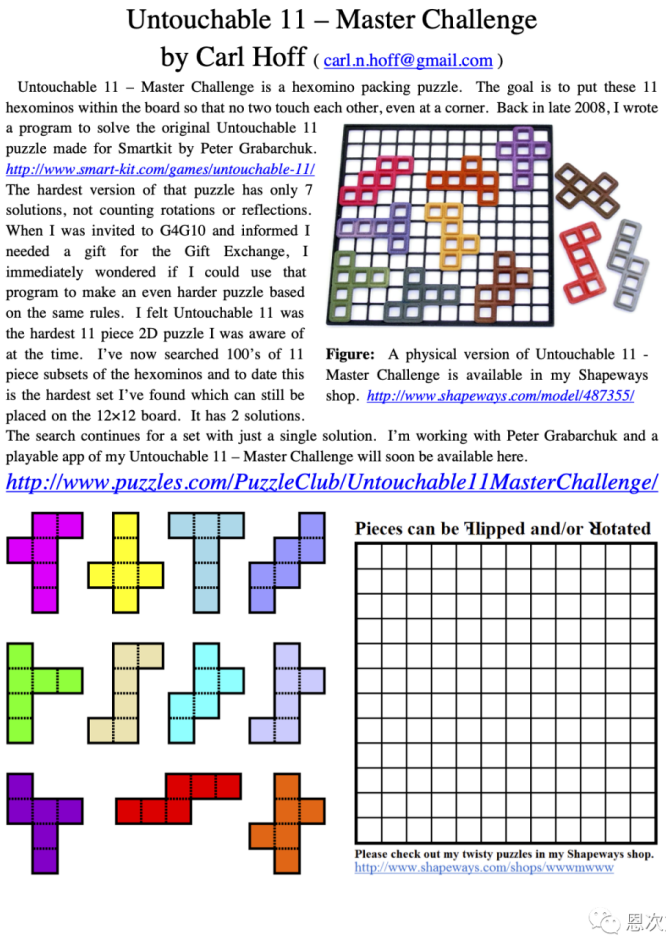
今天偶然看到一个拼图游戏：Untouchable 11. 花了接近两个小时才完成，非常有意思.

下面是这个拼图游戏的出处.



Untouchable 11 – Master Challenge

by Carl Hoff (carl.n.hoff@gmail.com)

Untouchable 11 – Master Challenge is a hexomino packing puzzle. The goal is to put these 11 hexominos within the board so that no two touch each other, even at a corner. Back in late 2008, I wrote a program to solve the original Untouchable 11 puzzle made for Smartkit by Peter Grabarchuk. http://www.smart-kit.com/games/untouchable-11/ The hardest version of that puzzle has only 7 solutions, not counting rotations or reflections. When I was invited to G4G10 and informed I needed a gift for the Gift Exchange, I immediately wondered if I could use that program to make an even harder puzzle based on the same rules. I felt Untouchable 11 was the hardest 11 piece 2D puzzle I was aware of at the time. I've now searched 100's of 11 piece subsets of the hexominos and to date this is the hardest set I've found which can still be placed on the 12×12 board. It has 2 solutions. The search continues for a set with just a single solution. I'm working with Peter Grabarchuk and a playable app of my Untouchable 11 – Master Challenge will soon be available here.

Figure: A physical version of Untouchable 11 - Master Challenge is available in my Shapeways shop. http://www.shapeways.com/model/487355/

http://www.puzzles.com/PuzzleClub/Untouchable11MasterChallenge/

Pieces can be Flipped and/or Rotated

Please check out my twisty puzzles in my Shapeways shop.
http://www.shapeways.com/shops/wwwmwww

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规则是这样的：给定 11 块如图所示的拼图（其实就是正方体表面的全部 11 种展开图），将它们放入一个 9×17，10×15 或 12×12 的网格中（三者难度依次递增），要求任意两块拼图没有公共边及公共顶点.

大家不妨自己动手试一试，也欢迎来和我交流经验.