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*统计截至2025.7.8*

### Compass-straightedge Pzls Other

43题 | 统计截至2025.7.8

|  |  |  |
| --- | --- | --- |
| 01 Conway圆 | 02 Malfatti问题 | 03 垂心内心一边直线 |
| Compass-straightedge_Pzls_Other001 | Compass-straightedge_Pzls_Other002 | Compass-straightedge_Pzls_Other003 |
| 04 外心内心一边直线 | 05 正八边形 | 06 垂心内心外心还原等腰 |
| Compass-straightedge_Pzls_Other004 | Compass-straightedge_Pzls_Other005 | Compass-straightedge_Pzls_Other006 |
| 07 平方和轨迹 | 08 三角形双分线 | 09 伪内切圆 |
| Compass-straightedge_Pzls_Other007 | Compass-straightedge_Pzls_Other008 | Compass-straightedge_Pzls_Other009 |
| 10 阿波罗尼奥斯-点点圆 | 11 阿波罗尼奥斯-线线圆 | 12 四边形质心 |
| Compass-straightedge_Pzls_Other010 | Compass-straightedge_Pzls_Other011 | Def |
| 13 第一Lemoine圆 | 14 圆切接正6 | 15 正5转等积正方 |
| Def |  |  |

|  |  |  |
| --- | --- | --- |
| 16 两点圆截线弦min | 17 两点圆截圆弦min | 18 线上圆截圆直径 |
|  |  |  |
| 19 半垂弦 | 20 复制角 | 21 60°截线最短 |
|  |  | Def |
| 22 过2点圆与圆正交 | 23 平行4等线 | 24 平行过点线等腰 |
| IMG_256 |  |  |
| 25 过点弦等线段 | 26 边距和恒等线 | 27 切线长等距 |
|  | Def | Def |
| 28 内接三角形平方和最小 | 29 角差45度 | 30 圆心为垂心 |
| Def | Def | Def |

|  |  |  |
| --- | --- | --- |
| 31 中点旋风 | 32 过点截弦相等 | 33 PLC对径点 |
| Def | Def | Def |
| 34 旁切圆与外接圆交点 | 35 过点截角1：2 | 36 三线等截过点线 |
| Def | Def | Def |
| 37 两顶点欧拉线复原三角形 | 38 等长平行三角棍 | 39 直角切线角 |
| Def | Def | Def |
| 40 三圆公切线共点 | 41 三角形边接菱形 | 42 三角形上的反演 |
| Def | Def | Def |
| 43 望角角平分线 |  |  |
| Def |  |  |

### Euc Addit

共6题 | 统计截至2025.7.8

|  |  |  |
| --- | --- | --- |
| 01 双圆梯形 | 02 四边形角平分线 | 03 截线等长 |
| Euc_Addit01 | Euc_Addit02 | Euc_Addit03 |
| 04 根轴 | 05 等面积三角形 | 06 3倍角 |
| Euc_Addit04 | Euc_Addit05 | Def |

带题干版

|  |  |  |
| --- | --- | --- |
| Def | Def | Def |
| Def | Def | Def |

### From Baidu Tieba

33题 | 统计截至2025.7.8

|  |  |  |
| --- | --- | --- |
| 01 2.024线段 | 02 圆内2点到直径端点等距 | 03 线外点与垂足中点 |
| Def | tb2 | Def |
| 04 点圆根轴 | 05 线截过2点圆弧1:2 | 06 角内等腰△四点共圆 |
| Def | Def | Def |
| 07 给欧拉线和两边复原△ | 08 平行反弹线 | 09 双心四边形 |
| Def | Def | Def |
| 10 角内过点弦四点共圆 | 11 圆上过点圆切圆 | 12 △过高上一点垂足Rt△ |
| Def | Def | Def |

|  |  |  |
| --- | --- | --- |
| 13 第二Lemoine圆 | 14 顶点分△等内切圆 | 15 Miquel点 |
| Def | Def | Def |
| 16 Dumpty点 | 17 垂线分三角形面积 | 18 角内过点截等线 |
| Def | Def | Def |
| 19 角内三截线和 | 20 角内给顶点作正三 | 21 过2点圆截线定长 |
| Def | Def | Def |
| 22 等角双线段 | 23 圆上两点截弦中点 | 24 给一顶点和IH复原△ |
| Def | Def | Def |

|  |  |  |
| --- | --- | --- |
| 25 过点分△周长 | 26 广义垂足三角形等积 | 27 △共点平行边3等长线 |
| Def | Def | Def |
| 28 过角内点△周长min | 29 过角内点截2射线min | 30 PCC等圆中垂点 |
| Def | Def | Def |
| 31 伪垂足三角形 | 32 鱼眼透视 | 33 三角形转等积正三 |
| Def | Def | Def |
| 34 | 35 | 36 |
|  |  |  |

### Mingjing Forum

13题 | 统计截至2025.7.8

|  |  |  |
| --- | --- | --- |
| 015 | 019 | 026 |
| Def | Def1 | Def |
| 038 | 039 | 042 |
| Def | Def | Def |
| 049 | 059 | 065 |
| Def | Def | Def |
| 070 | 072 | 074 |
| Def | Def | Def |

|  |  |  |
| --- | --- | --- |
| 126 |  |  |
| Def |  |  |

### SprFes

**2024**

共5题

|  |  |  |
| --- | --- | --- |
| 01 五边形矩形 | 02 正十边形 | 03 等面积直角三角形 |
| SprFes2024-01 | SprFes2024-02 | SprFes2024-03 |
| 04 质心内心一边直线 | 05 角平分线上切线三角形 |  |
| SprFes2024-04 | SprFes2024-05 |  |

带题干版

|  |  |  |
| --- | --- | --- |
| Def | Def | Def |
| Def | Def |  |

**2025**

共5题

|  |  |  |
| --- | --- | --- |
| 01 粒子轨迹 | 02 圆内对径三节棍 | 03 圆内三弦截弦和 |
| 19lyf2e_6795b992f2c3f3.63656198 | 19lyf2e_6795b99362f628.383484301 | 19lyf2e_6795b99362f628.38348430 |
| 04 对称望角相等 | 05 互切三圆切线垂直 |  |
| 19lyf2e_6795b993b901a8.026560071 | Def |  |

### Straightedge only Pzls

基础关卡（12题）

|  |  |  |
| --- | --- | --- |
| 01 平行线作中点 | 02 中点作平行线 | 03 平行线作平行线 |
| Straightedge-only_Pzls_Basic01 | Straightedge-only_Pzls_Basic02 | Straightedge-only_Pzls_Basic03 |
| 04 平行线倍长 | 05 中点作对称 | 06 垂线作对称 |
| Straightedge-only_Pzls_Basic04 | Straightedge-only_Pzls_Basic05 | Straightedge-only_Pzls_Basic06 |
| 07 角平分线作垂直 | 08 圆外一点作垂线 | 09 圆上一点作垂线 |
| Straightedge-only_Pzls_Basic07 | Straightedge-only_Pzls_Basic08 | Straightedge-only_Pzls_Basic09 |
| 10 圆径一点作垂线 | 11 圆上一点作切线 | 12 圆外一点作切线 |
| Straightedge-only_Pzls_Basic10 | Straightedge-only_Pzls_Basic11 | Straightedge-only_Pzls_Basic12 |

进阶关卡（15+9题） | 统计截至2025.7.8

|  |  |  |
| --- | --- | --- |
| 01 径倍角找心 | 02 径弦30°找心 | 03 径弦22.5°找心 |
| {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} |
| 04 径弦15°找心 | 05 内心作外心 | 06 垂心作外心 |
| {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} |
| 07 双圆相交找心 | 08 双同心圆找心 | 09 径弦4:1找心 |
| {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} |
| 10 径弦2:1找心 | 11 旁心作外心 | 12 外心等腰150° |
| {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} |
| 13 根轴上点找心 | 14 五点共圆找心 | 15 双圆等腰找心 |
| {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} |

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| --- | --- | --- |
| **Additional** | | |
| A01 等弦 | A02 卡斯蒂朗问题 | A03 内心Rt45 |
| A1C2000A9F3830073CE3105BF40C765A | {D6DA8580-D1D4-4816-ADCC-358B5DE0935C} | {A5464336-7F4B-41d9-BCE3-D82B97285361} |
| A04 圆心作垂 | A05 三边过点三角形 | A06 三线上外切三角形 |
| {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} | {A5464336-7F4B-41d9-BCE3-D82B97285361} |
| A07 3单位长 | A08 重叠大小地图 | A09 过点共点内接四边形 |
| Def | Def | Def |
|  |  |  |
|  |  |  |
|  |  |  |

### XEuclidea Puzzle

48+59题 | 统计截至2025.7.8

|  |  |  |
| --- | --- | --- |
| **XEuclidea Puzzle** | | |
| 01 三节棍1 | 02 三节棍2 | 03 三节棍3 |
| Xep1 | Xep2 | Xep3 |
| 04 | 05 三节棍4 | 06 三节棍5 |
| Xep4 | Xep5 | Xep6 |
| 07 | 08 | 09 |
| Xep7 | Xep8 | Xep9 |
| 10 | 11 | 12 |
| Xep10 | XEP11 | XEP12 |

|  |  |  |
| --- | --- | --- |
| 13 三节棍6 | 14 降域彩虹 | 15 |
| XEP13 | Xep14 | Xep15 |
| 16 三节棍7 | 17 三节棍8 | 18 |
| Xep16 | Xep17 | Xep18 |
| 19 三节棍9 | 20 三节棍10 | 21 |
| Xep19 | Xep20 | Xep21 |
| 22传送带 | 23 三节棍11 | 24 |
| Xep22 | XEP23 | Xep24 |

|  |  |  |
| --- | --- | --- |
| 25 聚光灯 | 26 散装三节棍 | 27 |
| Xep25 | Xep26 | Xep27 |
| 28 | 29 三节棍12 | 30 Hiho |
| Xep28 | Xep29 | Xep30 |
| 31 光环 | 32 | 33 |
| Xep31 | Xep32 | Xep33 |
| 34 | 35 | 36 |
| Xep34 | Xep35 | Xep36 |

|  |  |  |
| --- | --- | --- |
| 37 光锥 | 38 线性回归 | 39 |
| Xep37 | Xep38 | Xep39 |
| 40 Hiho2 | 41 Hiho3 | 42 Hiho4 |
| Xep40 | Xep41 | Xep42 |
| 43 | 44 | 45 |
| Xep43 | Xep44 | Xep45 |
| 46 | 47 Hiho5 | 48 |
| Xep46 | Xep47 | Xep48 |

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| --- | --- | --- |
| **XEuclidea Puzzle Draft** | | |
| 01 | 02 | 03 反演寂寞 |
| Draft1 | Draft2 | Draft3 |
| 04 反演寂寞2 | 05 | 06 |
| Draft4 | Draft5 | Draft6 |
| 07 三角棍 | 08 | 09 中点旋风 |
| Draft7 | Draft8 | Draft9 |
| 10 | 11 | 12 |
| Draft10 | Draft11 | Draft12 |

|  |  |  |
| --- | --- | --- |
| 13 | 14 | 15 四线三格 |
| Draft13 | Draft14 | Draft15 |
| 16 Hiho6 | 17 Hiho7 | 18 |
| Draft16 | Draft17 | Draft18 |
| 19 | 20 | 21 |
| Draft19 | Draft20 | Draft21 |
| 22 | 23 | 24 |
| Draft22 | Draft23 | Draft24 |

|  |  |  |
| --- | --- | --- |
| 25 | 26 Steiner网格 | 27 中点弦 |
| Draft25 | Draft26 | Draft27 |
| 28 | 29 光环 | 30 |
| Draft28 | Draft29 | Draft30 |
| 31 | 32 | 33 |
| Draft31 | Draft32 | Draft33 |
| 34 三角形第四边 | 35 | 36 Castillon's Problem |
| Draft34 | Draft35 | Draft36 |

|  |  |  |
| --- | --- | --- |
| 37 | 38 | 39 |
| Draft37 | Draft38 | Draft39 |
| 40 炮击阵地 | 41 Malfatti's Expanded Problem | 42 |
| Draft40 | Draft41 | Draft42 |
| 43 | 44 四节棍 | 45 |
| Draft43 | Draft44 | Draft45 |
| 46 | 47 | 48 |
| Draft46 | Draft47 | Draft48 |

|  |  |  |
| --- | --- | --- |
| 49 Hiho8 | 50 Hiho9 | 51 |
| Draft49 | Draft50 | Draft51 |
| 52 | 53 Malfatti式正交圆 | 54 |
| Draft52 | Draft53 | Draft54 |
| 55 | 56 | 57 |
| Draft55 | Draft56 | Draft57 |
| 58 | 59 |  |
| Draft58 | Draft59 |  |