**知识框架**

**Ahy**

**Chinese knowledge elements:**

***汉字(梳理)***

**A**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [阿7](http://xh.5156edu.com/html3/2217.html)[嗄13](http://xh.5156edu.com/html3/5837.html)[阿7](http://xh.5156edu.com/html3/2217.html)[啊10](http://xh.5156edu.com/html3/5609.html)

**号表法no.indicator:** 1 2 3 4

**全家福family photo:**

|  |  |
| --- | --- |
| **纲（四声）** | **目（汉字梳理）** |
| A 1 | [吖6](http://xh.5156edu.com/html3/5381.html)  [阿7](http://xh.5156edu.com/html3/2217.html)[呵8](http://xh.5156edu.com/html3/5477.html)[啊10](http://xh.5156edu.com/html3/5609.html)[锕12](http://xh.5156edu.com/html3/14604.html)[錒15](http://xh.5156edu.com/html3/19875.html)  [腌12](http://xh.5156edu.com/html3/14016.html) |
| A 2 | [啊10](http://xh.5156edu.com/html3/5609.html)  [嗄13](http://xh.5156edu.com/html3/5837.html) |
| A 3 | [阿7](http://xh.5156edu.com/html3/2217.html)[啊10](http://xh.5156edu.com/html3/5609.html) |
| A 4 | [阿7](http://xh.5156edu.com/html3/2217.html)[啊10](http://xh.5156edu.com/html3/5609.html) |
| ？ | [厑](http://xh.5156edu.com/html3/1885.html) |

**注：“？”表示暂无法确定 “四声” 的归属。**

**Ai**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [哀9](http://xh.5156edu.com/html3/5542.html)癌17[矮13](http://xh.5156edu.com/html3/15758.html)[爱10](http://xh.5156edu.com/html3/14196.html)

**号表法no.indicator:** 1 2 3 4

**全家福family photo:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **纲（四声）** | **目（梳理）汉字** | | Ai 1 | [哎8](http://xh.5156edu.com/html3/5478.html)  [哀9](http://xh.5156edu.com/html3/5542.html)  [诶9](http://xh.5156edu.com/html3/3501.html)[唉10](http://xh.5156edu.com/html3/5610.html)[娭10](http://xh.5156edu.com/html3/6496.html)[挨10](http://xh.5156edu.com/html3/7740.html)[埃10](http://xh.5156edu.com/html3/9574.html)  [溾12](http://xh.5156edu.com/html3/8749.html)  [嗳13](http://xh.5156edu.com/html3/5838.html)  [锿14](http://xh.5156edu.com/html3/14663.html)[鎄17](http://xh.5156edu.com/html3/20003.html) | | Ai 2 | [挨10](http://xh.5156edu.com/html3/7740.html)[捱11](http://xh.5156edu.com/html3/7842.html)  [皑11](http://xh.5156edu.com/html3/14248.html)  [啀11](http://xh.5156edu.com/html3/5736.html)[嘊14](http://xh.5156edu.com/html3/5923.html)[捱11](http://xh.5156edu.com/html3/7842.html)  [凒12](http://xh.5156edu.com/html3/1852.html)[溰13](http://xh.5156edu.com/html3/8862.html)[皚15](http://xh.5156edu.com/html3/14262.html)  [敱14](http://xh.5156edu.com/html3/12538.html)[敳14](http://xh.5156edu.com/html3/12595.html)  [癌17](http://xh.5156edu.com/html3/15256.html)  [騃17](http://xh.5156edu.com/html3/21357.html) | | Ai 3 | [佁7](http://xh.5156edu.com/html3/2829.html)  [毐7](http://xh.5156edu.com/html3/13623.html)  [昹9](http://xh.5156edu.com/html3/12803.html)  [欸11](http://xh.5156edu.com/html3/12661.html)  [娾11](http://xh.5156edu.com/html3/6566.html)  [嗳13](http://xh.5156edu.com/html3/5838.html)[噯16](http://xh.5156edu.com/html3/6010.html)  [矮13](http://xh.5156edu.com/html3/15758.html)[躷15](http://xh.5156edu.com/html3/18586.html)  [濭16](http://xh.5156edu.com/html3/9089.html)  [蔼14](http://xh.5156edu.com/html3/4248.html)[藹19](http://xh.5156edu.com/html3/4517.html)[譪19](http://xh.5156edu.com/html3/18994.html)[霭19](http://xh.5156edu.com/html3/20694.html)[靄24](http://xh.5156edu.com/html3/20721.html) | | Ai 4 | [艾5](http://xh.5156edu.com/html3/3617.html)  [阨6](http://xh.5156edu.com/html3/2184.html)[伌6](http://xh.5156edu.com/html3/2804.html)  [唉10](http://xh.5156edu.com/html3/5610.html)  [爱10](http://xh.5156edu.com/html3/14196.html)[愛13](http://xh.5156edu.com/html3/13724.html)[嗳13](http://xh.5156edu.com/html3/5838.html)[叆14](http://xh.5156edu.com/html3/3395.html)[暧14](http://xh.5156edu.com/html3/12908.html)[瑷14](http://xh.5156edu.com/html3/13487.html)[僾15](http://xh.5156edu.com/html3/3273.html)[懓16](http://xh.5156edu.com/html3/10366.html)[嬡16](http://xh.5156edu.com/html3/6760.html)[薆16](http://xh.5156edu.com/html3/4382.html)  [璦17](http://xh.5156edu.com/html3/13554.html)[曖17](http://xh.5156edu.com/html3/12964.html)[皧18](http://xh.5156edu.com/html3/14274.html)[瞹18](http://xh.5156edu.com/html3/15052.html)[鑀21](http://xh.5156edu.com/html3/20193.html)[靉25](http://xh.5156edu.com/html3/20727.html)  [砹10](http://xh.5156edu.com/html3/15462.html)[硋11](http://xh.5156edu.com/html3/15512.html)  [隘12](http://xh.5156edu.com/html3/2398.html)[嗌13](http://xh.5156edu.com/html3/5839.html)  [嗳13](http://xh.5156edu.com/html3/5838.html)[嗌13](http://xh.5156edu.com/html3/5839.html)[噫16](http://xh.5156edu.com/html3/5992.html)  [塧13](http://xh.5156edu.com/html3/9744.html)[壒16](http://xh.5156edu.com/html3/9839.html)  [碍13](http://xh.5156edu.com/html3/15553.html)[礙19](http://xh.5156edu.com/html3/15718.html)  [鴱16](http://xh.5156edu.com/html3/21613.html)  [餲17](http://xh.5156edu.com/html3/20468.html)[馤18](http://xh.5156edu.com/html3/21048.html)  [懝17](http://xh.5156edu.com/html3/10380.html)[礙19](http://xh.5156edu.com/html3/15718.html)[譺21](http://xh.5156edu.com/html3/19035.html) | | ？ | [閊11](http://xh.5156edu.com/html3/20285.html)[魞13](http://xh.5156edu.com/html3/21876.html)[﨟16](http://xh.5156edu.com/html3/25601.html)[鱛23](http://xh.5156edu.com/html3/22134.html)[鱫24](http://xh.5156edu.com/html3/22144.html) | |

**An**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [安6](http://xh.5156edu.com/html3/6226.html)[玵9](http://xh.5156edu.com/html3/13333.html)[俺10](http://xh.5156edu.com/html3/3012.html)[岸8](http://xh.5156edu.com/html3/7061.html)

**号表法no.indicator:** 1 2 3 4

**全家福family photo:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **纲（四声）** | **目（汉字梳理）** | | An 1 | [厂2](http://xh.5156edu.com/html3/1873.html)  [广3](http://xh.5156edu.com/html3/5099.html)  [安6](http://xh.5156edu.com/html3/6226.html)[侒8](http://xh.5156edu.com/html3/2929.html)[峖9](http://xh.5156edu.com/html3/7112.html)[桉10](http://xh.5156edu.com/html3/11635.html)[氨10](http://xh.5156edu.com/html3/12625.html)[鞍15](http://xh.5156edu.com/html3/20850.html)[鞌15](http://xh.5156edu.com/html3/20854.html)[鮟17](http://xh.5156edu.com/html3/21937.html)  [庵11](http://xh.5156edu.com/html3/5149.html)[菴11](http://xh.5156edu.com/html3/3999.html)[葊12](http://xh.5156edu.com/html3/4099.html)[蓭14](http://xh.5156edu.com/html3/4284.html)[痷13](http://xh.5156edu.com/html3/15187.html)[鹌13](http://xh.5156edu.com/html3/15349.html)[鵪19](http://xh.5156edu.com/html3/21700.html)[蓭14](http://xh.5156edu.com/html3/4284.html)[馣17](http://xh.5156edu.com/html3/21044.html)  [偣11](http://xh.5156edu.com/html3/3153.html)[谙11](http://xh.5156edu.com/html3/3534.html)[萻12](http://xh.5156edu.com/html3/4098.html)[腤13](http://xh.5156edu.com/html3/14057.html)[諳16](http://xh.5156edu.com/html3/18902.html)[韽20](http://xh.5156edu.com/html3/21182.html)[鶕20](http://xh.5156edu.com/html3/21748.html)  [媕12](http://xh.5156edu.com/html3/6606.html)[葊12](http://xh.5156edu.com/html3/4099.html)  [痷13](http://xh.5156edu.com/html3/15187.html)[鹌13](http://xh.5156edu.com/html3/15349.html)[鵪19](http://xh.5156edu.com/html3/21700.html)[蓭14](http://xh.5156edu.com/html3/4284.html)[馣17](http://xh.5156edu.com/html3/21044.html)  [誝14](http://xh.5156edu.com/html3/18818.html)[諳16](http://xh.5156edu.com/html3/18902.html)  [盦16](http://xh.5156edu.com/html3/14828.html)[韽20](http://xh.5156edu.com/html3/21182.html)  [盫18](http://xh.5156edu.com/html3/14833.html) | | An 2 | [玵9](http://xh.5156edu.com/html3/13333.html)[雸13](http://xh.5156edu.com/html3/20647.html)  [啽12](http://xh.5156edu.com/html3/5765.html)  [儑16](http://xh.5156edu.com/html3/3307.html) | | An 3 | [垵9](http://xh.5156edu.com/html3/9525.html)[铵11](http://xh.5156edu.com/html3/14563.html)[銨14](http://xh.5156edu.com/html3/19817.html)  [俺10](http://xh.5156edu.com/html3/3012.html)[唵11](http://xh.5156edu.com/html3/5682.html)[埯11](http://xh.5156edu.com/html3/9609.html)[晻12](http://xh.5156edu.com/html3/12858.html)  [揞12](http://xh.5156edu.com/html3/7883.html)  [罯14](http://xh.5156edu.com/html3/15803.html) | | An 4 | [屵5](http://xh.5156edu.com/html3/7019.html)  [犴6](http://xh.5156edu.com/html3/6821.html)[豻10](http://xh.5156edu.com/html3/19212.html)  [豻10](http://xh.5156edu.com/html3/19212.html)[貋14](http://xh.5156edu.com/html3/19229.html)  [岸8](http://xh.5156edu.com/html3/7061.html)[婩11](http://xh.5156edu.com/html3/6567.html)[堓11](http://xh.5156edu.com/html3/9646.html)[錌16](http://xh.5156edu.com/html3/19944.html)  [按9](http://xh.5156edu.com/html3/7680.html)[洝9](http://xh.5156edu.com/html3/8457.html)[荌9](http://xh.5156edu.com/html3/3831.html)[胺10](http://xh.5156edu.com/html3/13933.html)[案10](http://xh.5156edu.com/html3/11636.html)  [隌11](http://xh.5156edu.com/html3/2384.html)[暗13](http://xh.5156edu.com/html3/12887.html)[闇17](http://xh.5156edu.com/html3/20342.html)[黯21](http://xh.5156edu.com/html3/22194.html)  [晻12](http://xh.5156edu.com/html3/12858.html) | |

**Ang**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [肮8](http://xh.5156edu.com/html3/13850.html)[昂8](http://xh.5156edu.com/html3/12747.html) [盎10](http://xh.5156edu.com/html3/14798.html)

**号表法no.indicator:** 1 2 3 4

**全家福family photo:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **纲（四声）** | **目（汉字梳理）** | | Ang 1 | [肮8](http://xh.5156edu.com/html3/13850.html)[骯13](http://xh.5156edu.com/html3/20927.html) | | Ang 2 | [卬4](http://xh.5156edu.com/html3/2528.html)[仰6](http://xh.5156edu.com/html3/2769.html)[岇7](http://xh.5156edu.com/html3/7051.html)[昂8](http://xh.5156edu.com/html3/12747.html)[昻9](http://xh.5156edu.com/html3/12804.html) | | Ang 4 | [枊8](http://xh.5156edu.com/html3/11468.html)  [盎10](http://xh.5156edu.com/html3/14798.html)[醠17](http://xh.5156edu.com/html3/19168.html) | |

**Ao**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [凹5](http://xh.5156edu.com/html3/2687.html)[熬14](http://xh.5156edu.com/html3/10616.html)[袄9](http://xh.5156edu.com/html3/16024.html)[傲12](http://xh.5156edu.com/html3/3159.html)

**号表法no.indicator:** 1 2 3 4

**全家福family photo:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **纲（四声）** | **目（汉字梳理）** | | Ao 1 | [凹5](http://xh.5156edu.com/html3/2687.html)  [柪9](http://xh.5156edu.com/html3/11597.html)[軪12](http://xh.5156edu.com/html3/18288.html)  [梎11](http://xh.5156edu.com/html3/11774.html)  [熬14](http://xh.5156edu.com/html3/10616.html)  [爊19](http://xh.5156edu.com/html3/11258.html) | | Ao 2 | [敖10](http://xh.5156edu.com/html3/12562.html)[厫12](http://xh.5156edu.com/html3/1912.html)[隞12](http://xh.5156edu.com/html3/2399.html)[蔜13](http://xh.5156edu.com/html3/4206.html)[遨13](http://xh.5156edu.com/html3/4847.html)[廒13](http://xh.5156edu.com/html3/5173.html)[嗷13](http://xh.5156edu.com/html3/5840.html)[嗸13](http://xh.5156edu.com/html3/5865.html)[獓13](http://xh.5156edu.com/html3/6958.html)  [嶅13](http://xh.5156edu.com/html3/7256.html)[滶13](http://xh.5156edu.com/html3/8863.html)[熬14](http://xh.5156edu.com/html3/10616.html)[獒14](http://xh.5156edu.com/html3/12719.html)[摮14](http://xh.5156edu.com/html3/13141.html)[璈14](http://xh.5156edu.com/html3/13488.html)[磝15](http://xh.5156edu.com/html3/15636.html)[螯16](http://xh.5156edu.com/html3/16556.html)[聱16](http://xh.5156edu.com/html3/16805.html)  [謷17](http://xh.5156edu.com/html3/18925.html)[謸17](http://xh.5156edu.com/html3/18943.html)[鳌18](http://xh.5156edu.com/html3/20605.html)[鷔21](http://xh.5156edu.com/html3/21778.html)[鰲21](http://xh.5156edu.com/html3/22073.html)[鼇22](http://xh.5156edu.com/html3/22219.html)  [翱16](http://xh.5156edu.com/html3/17620.html)[翶17](http://xh.5156edu.com/html3/17627.html)[翺18](http://xh.5156edu.com/html3/17632.html)  [嚣18](http://xh.5156edu.com/html3/6044.html)  [鏖19](http://xh.5156edu.com/html3/19611.html) | | Ao 3 | [艹3](http://xh.5156edu.com/html3/3615.html)  [夭4](http://xh.5156edu.com/html3/4928.html)[芺7](http://xh.5156edu.com/html3/3646.html)[袄9](http://xh.5156edu.com/html3/16024.html)[镺11](http://xh.5156edu.com/html3/18248.html)  [抝7](http://xh.5156edu.com/html3/7596.html)[拗8](http://xh.5156edu.com/html3/7617.html)[袄9](http://xh.5156edu.com/html3/16024.html)  [媪12](http://xh.5156edu.com/html3/6607.html)[媼13](http://xh.5156edu.com/html3/6676.html)  [袄9](http://xh.5156edu.com/html3/16024.html)[襖17](http://xh.5156edu.com/html3/16191.html) | | Ao 4 | [岙7](http://xh.5156edu.com/html3/7037.html)  [岰8](http://xh.5156edu.com/html3/7081.html)[拗8](http://xh.5156edu.com/html3/7617.html)[坳8](http://xh.5156edu.com/html3/9485.html)  [垇8](http://xh.5156edu.com/html3/9484.html)  [傲12](http://xh.5156edu.com/html3/3159.html)[骜13](http://xh.5156edu.com/html3/6157.html)[嫯13](http://xh.5156edu.com/html3/6677.html)[慠13](http://xh.5156edu.com/html3/10272.html)[鏊18](http://xh.5156edu.com/html3/19606.html)[驁20](http://xh.5156edu.com/html3/21417.html)  [奡12](http://xh.5156edu.com/html3/4984.html)  [奥12](http://xh.5156edu.com/html3/4985.html)[奧13](http://xh.5156edu.com/html3/4990.html)[懊15](http://xh.5156edu.com/html3/10319.html)[墺15](http://xh.5156edu.com/html3/9806.html)[澳15](http://xh.5156edu.com/html3/8987.html)[嶴15](http://xh.5156edu.com/html3/7311.html)[擙16](http://xh.5156edu.com/html3/8139.html) | | ？ | [澚14](http://xh.5156edu.com/html3/8946.html)[鱜22](http://xh.5156edu.com/html3/22116.html) | |

**Chinese-western knowledge fusion:**

**汉-英对应**

**A**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [阿7](http://xh.5156edu.com/html3/2217.html)[嗄13](http://xh.5156edu.com/html3/5837.html)[阿7](http://xh.5156edu.com/html3/2217.html)[啊10](http://xh.5156edu.com/html3/5609.html)

**号表法no.indicator:** 1 2 3 4

**知识对应Knowledge counterpart:**

**A 1**

**阿 (a prefix to show endearment) eg:**

**A person named 顾金根， we can call him**

**A Gu 阿顾 (a + surname) or**

**A Gen 阿根 (a + infant name or nick name)**

**阿比特龙zytiga (for prostate cancer)**

**阿昌族Achangzu---a nationality in China**

**阿尔茨海默病 AD--- Alzheimer’s disease; senile dementia**

**Medicine药:**

**donepezil 多奈哌齐**

**galantamine, galanthamine 加兰他敏**

**memantine 美金刚胺**

**rivastigmine 卡巴拉丁**

**甘露特钠胶囊ADAS-cog**

**Sodium oligomannate 甘露寡糖二酸(GV-971) therapeutically remodels gut microbiota 肠道菌群and suppresses gut bacterial amino acids-shaped neuroinflammation神经炎症 to inhibit Alzheimer’s disease progression.**

摘要：BACKGROUND New therapies are urgently needed for Alzheimer disease(AD). Sodium oligomannate(GV-971) is a marine-derived oligosaccharide that has been shown to decrease amyloid deposition, reduce neuroinflammation, reconstitute gut microbiota, and improve cognition in animal models of AD. A Phase 3 trial was conducted to assess efficacy and safety of GV-971. METHODS We conducted a Phase 3, double-blind placebo-controlled trial in patients with mild-to-moderate AD. Participants were randomized to receive placebo or GV-971(900 mg) for 36 weeks. The primary outcome was the drug-placebo difference in change from baseline on the 12-item cognitive subscale of the Alzheimer′s Disease Assessment Scale(ADAS-cog12). Secondary endpoints were drug-placebo differences on the Clinician′s Interview-Based Impression of Change(CIBIC+), Alzheimer′s Disease Cooperative Study-Activities of Daily Living(ADCS-ADL) scale, and Neuropsychiatric Inventory(NPI). The effect of GV-971 on the cerebral glucose metabolic rate was examined by 18 Fluorine-FDG PET in a subgroup. Safety and tolerability were monitored. RESULTS 818 participants were randomized, of which 408 were assigned to GV-971 and 410 to placebo. A significant drug-placebo difference in favor of GV-971 was present at each measurement time-point on the ADAS-Cog12. The difference between groups with regard to the change from baseline was-2.15 points(95% confidence interval,-3.07 to-1.23;P<0.0001; effect size 0.531) after 36 weeks treatment. There was a trend towards benefit on CIBIC+(P=0.0588) but not on the ADCS-ADL(P=0.5712), NPI(P=0.8004), or the CMRglu. TEAE incidence77% and 76%, comparable between the two groups. Two deaths occurred in the GV-971 group; these were determined not to be related to GV-971. CONCLUSION GV-971 demonstrated significant efficacy in improving cognition and showed sustained improvement across all observation periods. GV-971 was safe and well tolerated. 还原

[CAJ下载](http://kns.cnki.net/kns/download.aspx?filename=kRzFjNhdHREB3NUVldYh0ZrN1VvRTYm9kWQ5WZJNTaBtiaLpFSIZlZJJ2c21WZOJGMLVmVW9maxV2T=0TV0RWeQRHMnVEcUZ2LIFGdjJ3SihUevplcvFUMixEMHRlaKJkSHhEZ1AHRr42czQ0a2g0cB52Z5k&tablename=CJFDTEMP" \t "http://kns.cnki.net/kcms/detail/_blank) [PDF下载](http://kns.cnki.net/kns/download.aspx?filename=kRzFjNhdHREB3NUVldYh0ZrN1VvRTYm9kWQ5WZJNTaBtiaLpFSIZlZJJ2c21WZOJGMLVmVW9maxV2T=0TV0RWeQRHMnVEcUZ2LIFGdjJ3SihUevplcvFUMixEMHRlaKJkSHhEZ1AHRr42czQ0a2g0cB52Z5k&tablename=CJFDTEMP&dflag=pdfdown" \t "http://kns.cnki.net/kcms/detail/_blank)

**阿尔法磁谱仪AMS---alpha magnetic spectrograph**

**阿凡达Avatar (人形或兽形的神)**

**阿訇imam---a prayer leader in a mosque**

**清真寺领头祈祷的人**

**阿拉伯帝国caliphate**

**阿拉伯国家Arabic countries**

**阿富汗Afganistan （occupied by the United States from 2001 to 2021）**

**Kabul 喀布尔**

**kandahar坎大哈**

**Hamid Karzai international air port 哈米德 卡尔扎伊国际机场**

**Bagram airbase巴格拉姆空军基地**

**Taliban 塔利班**

**Wakhan corridor瓦罕走廊 (links China and Afganistan)**

**阿联酋United arab emirates (including 7 emirates)**

**阿脲alloxan 四氧嘧啶**

**阿司匹林aspirin**

**high dose aspirin大剂量阿司匹林**

**阿斯巴甜aspartame**

**阿特米丝Artemis green run testing series 另一种译文：**

**阿尔忒弥斯计划project Artemis (美国2024年登月计划)**

Green run checklist of space launch system for artemis 1

1. Model test: apply forces simulating launch to the unpwered suspended core stage
2. Avionics test: turn on and check out core stage avianics
3. Fail-safes test: simulate potential issues to test systems that shut down other systems if there is a problem
4. Propulsion test: test main propulsion system components that connect to the engines
5. Final functions test: test thrust vector controls, hydraulics,steer and gimbal万向 actuator
6. Countdown sequence: simulate countdown to validate timeline and sequence of events
7. Wet dress rehearsal: load and drain more than 700,000 gallons of cryogenic propellants
8. Hot fire: fire all four RS-25 engines for up to 8 minutes

The core stage Green Run test series of NASA’s [Space Launch System (SLS)](http://nasa.gov/sls) rocket is currently underway. Crews installed the 212-foot-tall core stage -- the same rocket hardware that will be used for the first Artemis mission to the Moon -- in the [B-2 Test Stand](https://www.nasa.gov/feature/nasa-artemis-program-and-stennis-space-center-set-the-stage-for-testing-in-2020)试车台 at NASA’s Stennis Space Center near Bay St. Louis, Mississippi, for the core stage [Green Run](https://www.nasa.gov/exploration/systems/sls/sls-core-stage-green-run-tests-critical-systems-for-artemis-I.html)认可性试车 test series in January 2020. The comprehensive, eight-part test series, or run, will steadily bring the core stage flight hardware, or new, “green” hardware, to life for the first time. The test series cumulates with a “hot fire热火” as all four RS-25 engines fire simultaneously. The maximum thrust of the four RS-25 engines during launch and ascent is 2 million pounds. During Green Run testing in the B-2 Test Stand, the RS-25 engine thrust peaks at 1.6 million pounds, which is the maximum thrust the engines produce at sea level on the launch pad. The core stage design will be used for all [configurations](https://www.nasa.gov/exploration/systems/sls/overview.html) of the SLS rocket, and the series of eight tests will verify the stage is ready for the first and future [Artemis lunar missions](https://www.nasa.gov/artemisprogram)阿特米丝. This infographic 信息图表will be updated with check marks in real time to indicate the progress NASA had made in testing the largest rocket stage the agency has manufactured since the Apollo Program that first sent astronauts to the Moon.

NASA is working to land the first woman and next man on the [Moon by 2024](https://www.nasa.gov/feature/sending-american-astronauts-to-moon-in-2024-nasa-accepts-challenge/). SLS and Orion, along with the Human Landing System and the Gateway门户(汇合点,或前哨由日本研制，操作) in orbit around Moon, are NASA’s backbone for deep space exploration. SLS is the only rocket that can send Orion猎户座, astronauts and supplies to the Moon in a single mission.可携载130吨物体升至太空。

SLS core stage太空发射系统火箭的核心段 (vertical setup纵向安排):

Forward skirt前裙 houses flight computers, cameras and avionics:

the “brain” of the rocket

liquid oxygen(lox)tank液体氧箱 (cryogenic propellant)holds 196,000 gallons of liquid oxygen cooled to -297°F

intertank 箱间段joins lh2 and lox tanks, holds avionics electronics,forward booster attach point

liquid hydrogen(lh2) tank液体氢箱 (cryogenic propellant) holds 537,000 gallons of liquid hydrogen cooled to -437°F

engine section发动机段 (with 4 RS-25 engines) delivers propellants from lh2 and lox tanks, aft booster attach point

Fuels 4 engines to produce a total of 2 million pounds of thrust. 733000 gallons of propellants fill the lh2 and lox tanks together, enough to fill 63 large tanker trucks

**阿姨 (dear) aunt**

**錒Ac---actinium**

**腌臜dirty**

**A 2**

**啊 叹词,如exclamation eg.**

**你确信他是主犯吗？**

**Are you sure he is the culprit?**

**啊，他至少也是个从犯**

**Ah,at least he is an accessory criminal.**

**嗄 叹词,如exclamation eg.**

**太辣！Too hot!**

**A 3**

**啊 叹词 如 exclamation eg.**

**啊！我发现了这顶皇冠的金子含量。**

**Aha! (eureka) I have found the gold content of the crown.**

**A 4**

**啊 助尾词 如 word-ending auxiliary eg.**

**我买了纸张啊，铅笔啊，橡皮啊一类的东西。**

**I bought paper, pencil,rubber, this kind of stuff.**

**Ai**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [哀9](http://xh.5156edu.com/html3/5542.html)癌17[矮13](http://xh.5156edu.com/html3/15758.html)[爱10](http://xh.5156edu.com/html3/14196.html)

**号表法no.indicator:** 1 2 3 4

**知识对应Knowledge counterpart:**

**Ai 1**

**哀grief, pity, mourning, sorrow; to lament**

**哀悼condolence, to mourn**

**to mourn the loss of life哀悼去世**

**to offer the deepest condolence表示沉痛哀悼**

**哀悼者mourner**

**哀诉者whiner**

**哀叹to bemoan**

**哀荣(讣告中对死者的评价) posthumous honor**

**锿Es---Einsteinium**

**挨家查询to interrogate family by family**

**挨门挨户走访to go door-to-door**

**埃**Å--- angstrom,光波的长度单位，等于一亿分之一米

1纳米=10埃

1微米=10000埃

1丝米=100000埃

1忽米=1000000埃

1atto-meter=0.1埃

1皮米=0.01埃

1飞米=0.00001埃

**埃dust**

**唉 (responding to a call)**

**娭毑(jie3) grandma; a woman deserved to be respected**

**Ai 2**

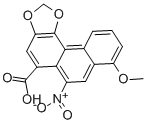
**癌症cancer癌症晚期**

**advanced cancer癌症晚期**

**致癌物 carcinogen:**

**aflatoxin黄曲霉素**

**aristolochine, aristolochic acid马兜铃酸 (很多中成药含有这种成分)**



分子式： C17H11NO7

**aromatic hydroxyl ester芳香烃羟化酯 (莴笋中含有)**

**benzene苯**

**bromate溴酸盐**

**cadmium 嗝**

**chromium-6铬**

**creosote 木馏油**

**cyclonite旋风炸药**

**incense香料的香气**

**lather肥皂泡**

**lead铅**

1. **nitrosodimethylamine N-亚硝基二甲胺**

**paraffin石蜡**

**perchlorate高氯酸盐**

**pyrene芘(油烟中的一种物质)**

**UV light紫外光**

**V-methyl derivatives氨甲基衍生物**

**癌症疗法therapies：**

**一．直接针对癌细胞：**

**1.实行放疗化疗chemotherapy, radiation therapy**

**Adriamycin = doxorubicin阿霉素**

**Cyclophosphamide环磷酰胺**

**Filgrastim非格司亭**

**Fludarabine 氟达拉宾**

**Prednisone强的松**

**Vincristine (VCR)长春新碱**

1. **使用靶向疗法targeted therapy**

**aptamer适体，适配子**

**demethylating agent脱甲基剂**

**epigenetic therapy表观遗传**

1. **azacytidine氮杂胞甘**

**二．激励免疫T 细胞对付癌细胞：**

**PD1 antibody (programmed death 1) 比如**

**Opdivo纳武利尤单抗（0 药）**

**Pembrolizumab帕博理珠单抗 （keytruda）**

**treatTMB肿瘤突变负荷(tumor mutational burden)**

**infusion into a vein, typically once every 3 or 6 weeks**

**致癌物阻滞食物Carcinogen blockers：**

**broccoli 西兰花**

**Brussels sprouts包子橄榄**

**cabbage 包心菜**

**cruciferous vegetables十字科蔬菜:**

**cauliflower菜花**

**其它癌症词汇：**

**ACS--- American cancer society美国癌症协会**

**Cancer is gaining ground and threatening lives.癌症得势威胁生命**

**Cervical cancer颈癌**

**Endometrial cancer子宫内膜癌**

**Human papilloma virus人得的乳头状病毒**

**Follicula滤泡性r**

**Lymphoma淋巴瘤**

**Non-Hodgkin lymphoma非霍奇金淋巴瘤**

**Oncologist肿瘤专家**

**Relapse复发**

**Rituximab美罗华，单克隆抗体**

**Vulvar cancer外阴癌**

**挨饿to starve, to suffer from hunger**

**挨打to suffer beating, to come under attack**

**挨骂to get scolding, to get a dressing down**

**皑皑白雪a blanket of bright white snow**

**Ai 3**

**矮short**

**矮化to dwarf**

**dwarf house矮房**

**蔼然可亲friendly, amiable**

**霭haze, mist**

**蔼蔼cloudy**

**霭滴mist droplet**

**云霭floating clouds**

**暮霭evening mist**

**毐ill-behaved**

**嫪毐(lao4,ai3) a person of the state Qin in warring states period**

**欸乃 (mimetic word) the sound of sculling**

**嗳oh**

**嗳气belching, eructation, ructus**

**嗳酸oxyrygmia**

**Ai 4**

**爱to love**

**cutest可爱的 for instance: cutest cat可爱的小猫**

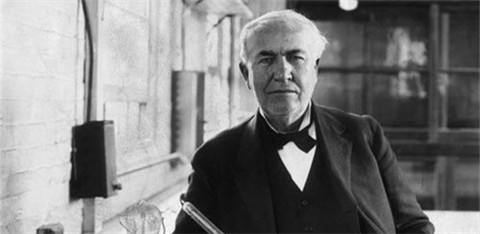
**爱不释手to fondle admiringly**

**爱称diminutive, term of endearment**

**爱出风头的pushy, swanky**

**爱打聽 prying eye**

**爱迪生Thomas Alva Edison**



**爱迪生的贡献Eidison’s contributions**

**He invented发明了:**

**Electric locomotive电动机车**

**Electric light bulb电灯泡**

**Electric pen电笔**

**Kinetoscope活动电影放映机**

**Phonograph留声机**

**Copying system仿形系统**

**He improved改进了:**

**Telephone电话**

**Stock ticker股票报价机**

**爱撫to fondle，to caress**

**爱管闲事的rosy, pert, meddlesome, officious**

**爱管闲事的人busy body, meddler, rosy parker**

**爱国口号patriotic slogan**

**爱好 -phil**

**astrophil天文爱好者**

**爱好，嗜好，由衷地高兴gusto**

**爱好者 buff， fan(s)粉丝**

**hobbyist爱好者**

**aficionado狂热爱好者**

**Smartphone aficionados in China中国的智能手机迷:**

**Gionee金立**

**Huawei华为**

**Meizu魅族**

**Oppo欧珀**

**Samsung三星**

**Vivo步步高**

**Xiaomi小米**

**Zte中兴**

**爱開玩笑facetious**

**爱開玩笑的人 prankster**

**爱看戏的人theater-goers**

**爱克斯光x-ray---which uses radiation in low dose to make images of structures in your body**

**XRF--- x-ray fluorescence 爱克斯线荧光**

**X-ray radiography of paintings绘画射线摄影**

**[x - ray diffraction](http://dict.youdao.com/w/eng/x_-_ray_diffraction/" \l "keyfrom=dict.phrase.wordgroup)** X射线衍射

**[X -ray diffraction](http://dict.youdao.com/w/eng/x_-ray_diffraction/" \l "keyfrom=dict.phrase.wordgroup)** 射线衍射分析

**[X-ray diffraction analysis](http://dict.youdao.com/w/eng/x-ray_diffraction_analysis/" \l "keyfrom=dict.phrase.wordgroup)** X射线衍射分析 ; X射线衍射分析法 ; X射线衍射法 ; X射线衍射方法

**[x-ray diffraction meter](http://dict.youdao.com/w/eng/x-ray_diffraction_meter/" \l "keyfrom=dict.phrase.wordgroup)** x光衍射仪 ; X射线衍射仪 ; 射线衍射仪

**[x-ray diffraction spectrometry](http://dict.youdao.com/w/eng/x-ray_diffraction_spectrometry/" \l "keyfrom=dict.phrase.wordgroup)** X射线衍射

**[glancing X-ray diffraction](http://dict.youdao.com/w/eng/glancing_x-ray_diffraction/" \l "keyfrom=dict.phrase.wordgroup)** 掠射X射线衍射

**[Soft X-ray diffraction](http://dict.youdao.com/w/eng/soft_x-ray_diffraction/" \l "keyfrom=dict.phrase.wordgroup)** 软X光衍射

**[x-ray diffraction patterns](http://dict.youdao.com/w/eng/x-ray_diffraction_patterns/" \l "keyfrom=dict.phrase.wordgroup)** x射线衍射图

**[Crystal X-ray diffraction](http://dict.youdao.com/w/eng/crystal_x-ray_diffraction/" \l "keyfrom=dict.phrase.wordgroup)** 晶体X射线衍射

**爱情dating**

**爱人sweetie, sweetheart**

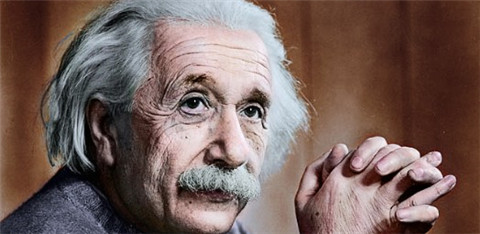
**爱上to fall for**

**爱说谎的untruthful**

**爱妥糖actos**

**爱炫耀的pompous**

**爱因斯坦Albert Einstein**



**爱因斯坦对科学的贡献Einstein’s contribution to science:**

**相对论theory of relativity E = MC2 质能方程**

**General relativity广义相对论**

**Special relativity, restricted relativity峡义相对论**

**Quantum mechanics量子力学**

**Entanglement (as a disproof)纠缠作为反证**

**E=MC2 质能转换公式**

**Seminal paper开创性论文**

**Pop icon流行偶像**

**fanboy狂热粉丝**

**爱爭論的 contentious**

**艾草秦鸡sage grouse bird**

**艾菲尔铁塔 (法国) Eiffel tower**

**艾美奖Annual Primetime Emmy Award**

**Emmy’s glory艾美奖的荣耀**

**艾滋病AIDS---acquired immune deficiency syndrome**

**HIV---human immunodeficiency virus人类免疫缺乏病毒**

**Opportunistic infections伺机性感染**

**Unprotected sex没有保护措施的性交**

**Contaminated blood transfusions污染输血**

**Hypodermic needles皮下注射器**

**antiretroviral medication抗逆转录病毒药物**

**pandemic大流行病**

**暧昧ambiguity, opacity**

**(气量狭)隘narrow tolerance**

**碍口too embarrassing to mention**

**碍手碍脚to hinder; to be in a hindrance,**

**in one’s way**

**An**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [安6](http://xh.5156edu.com/html3/6226.html)[玵9](http://xh.5156edu.com/html3/13333.html)[俺10](http://xh.5156edu.com/html3/3012.html)[岸8](http://xh.5156edu.com/html3/7061.html)

**号表法no.indicator:** 1 2 3 4

**知识对应Knowledge counterpart:**

**An 1**

**安珀紧急通知 Amber alert: = child abduction emergency**

**安定人心to maintain morale**

**neuroleptic drug安定药**

**安撫 to appease, to mollify sb, to pacify sb, to placate**

**安排 to broker**

**安全safe, safety, security**

**safety-conscious关心安全的，对安全敏感的**

**nowhere is safe那里也不安全**

**安全度過 to ride out**

**安全港safe heaven**

**安全许可security clearances**

**安全总比后悔好it is better to be safe than sorry**

**安然無恙 to go scot-free**

**安神to soothe the nerves**

**安危未定to hang in the balance**

**安抚举动placatory move**

**安慰to soothe, solace, to comport with**

**安慰劑placebo---(sugar pill)**

**Placebo effect安慰剂效应**

**Placebo response安慰剂反应**

**Psychoactive placebo影响心理状态的安慰剂：**

**amphetamine安非他命=苯丙胺**

**安慰剂控制研究placebo-control study:**

**Single-blind trial单盲测试**

**Double-blind trial双盲测试**

**Triple-blind trial三盲测试**

**Placebo button安慰剂按钮**

**安慰流经我的全身relief flooded my body**

**安危未定to hang in the balance**

**安危相随，泰否相印，(反交为用)**

**Security is accompanied by danger;**

**Bliss is accompanied by misfortune.**

**安息日sabbatical**

**安置費relocation expense**

**安置就位to emplace radar stations on many islands**

**安裝to jump-start**

**安装很容易setup is easy**

**安装照明灯to install floodlights**

**安卓(表面像人的机器人) android**

**安卓操作系统(美国) Android operating system (for smart phone and tablet)**

**Google’s assets**

**桉油精eucalyptol**

**氨ammonia NH3**

azyl; amidogen; amino; amino-group **氨基 -NH2**

**氨基甲酸酯carbamates**

**氨基酸amino acid 参见：生物化学蛋白质部分**

**Hydrogen氫, carbon碳, nitrogen氮, and oxygen氧 constitute 96.5% of the mass of living cells. This rises to 98% when taking sulfur硫 and phosphorous磷 into consideration. It is these elements that also form the amino acids or residues残渣, which are the subunits亚单元 of proteins. The general chemical formula化学通式 for amino acid is NH2CαRC’O2H. The four-fold coordinated (Cα) is sp3 hybridized被杂化的 and is attached to a hydrogen atom, along with the amino acid group氨基酸基团 (NH2) and carboxylic acid group羧酸基团 (C’O2H) and a side chain侧链 (R) by** σ bonds. This bonding pattern is common to all the 21 amino acids. What distinguishes one amino acid from another is the side chain (R) attached to the alpha-carbon. The amino acids are usually divided into 3 classes, depending on the chemical nature of the side chain. Classes consist of amino acids with strictly hydrophobic side chains疏水侧链, those with charged residues带电的残渣 and those with polar side chains极性侧链. How and why exactly this precise set of amino acid came to be chosen as building blocks of life is one of the mysteries of evolution.

氨基酸，是羧酸碳原子上的氢原子被氨基取代后的化合物，氨基酸分子中含有氨基和羧基两种官能团。与羟基酸类似，氨基酸可按照氨基连在碳链上的不同位置而分为α-，β-，γ-...ω-氨基酸，但经蛋白质水解后得到的氨基酸都是α-氨基酸，而且仅有二十几种，他们是构成蛋白质的基本单位。

氨基酸是构成动物营养所需蛋白质的基本物质。是含有碱性氨基和[酸性羧基](https://wapbaike.baidu.com/item/%E9%85%B8%E6%80%A7%E7%BE%A7%E5%9F%BA/2500326)的有机化合物。氨基连在α-碳上的为[α-氨基酸](https://wapbaike.baidu.com/item/%CE%B1-%E6%B0%A8%E5%9F%BA%E9%85%B8)。组成蛋白质的氨基酸大部分为α-氨基酸。

氨基酸在人体内通过代谢可以发挥下列一些作用：①合成组织蛋白质；②变成酸、激素、抗体、[肌酸](https://wapbaike.baidu.com/item/%E8%82%8C%E9%85%B8/2691955)等含氨物质；③转变为碳水化合物和脂肪；④氧化成二氧化碳和水及尿素，产生能量。

(说明：Y u读作 upsilon,不是英语的y; Ω ω读作omega，不是英语的w)

**α氨基酸：**

**alanine丙氨酸 非极性疏水nonpolar hydrophobic**

**phenylalanine苯丙氨酸 非极性亲水**

**arginine精氨酸 极性带正电荷碱性 polar basic with positive electricity 氨基**

**arspartic acid 天冬氨酸 极性带负电荷酸性 polar basic with negative electricity 羧基**

**cystine 胱氨酸**

**cysteine半胱氨酸 极性亲水 polar hydrophilic**

**glycine甘氨酸 极性亲水**

**glutamic acid谷氨酸 极性带负电荷酸性**

**histidine组氨酸 极性带正电荷碱性**

**leucine亮氨酸 非极性亲水**

**isoleucine异亮氨酸 非极性亲水**

**lysine 赖氨酸 极性带正电荷碱性**

**methionine 蛋氨酸 非极性亲水**

**proline脯氨酸 非极性亲水**

**serine 丝氨酸 极性亲水**

**theanine茶氨酸**

**tryptophane色氨酸 非极性亲水**

**tyrosine酪(lao4)氨酸**

**threonine 苏氨酸 极性亲水**

**valine缬(xie2)氨酸 非极性亲水**

**asparagine天冬酰胺C4H8N2O3 极性亲水**

**glutamine谷氨酰胺 极性亲水**

**(besides α-amino acids,we have β-amino acids, γ-amino acids, ω-amino acids)**

**氨基葡萄糖glucosamine (氨糖)**

**glucosamine sulfate硫酸氨基葡萄糖**

**flucosamine hydrochloride盐酸~**

**n-acetyl-glucosamine乙酸~ amino suagar produced in humans, found in seashells**

**chondroitin软骨素**

**amino suagar produced in humans, found in seashells, made in labs**

**鞍saddle**

**鹌鹑quail**

**谙练skilled (at)**

**An 2**

**玵beautifual jade**

**An 3**

**俺I, we**

**俺同意I agree.**

**(一)埯花生to sow peanut seeds in a hole**

**铵ammonium**

**An 4**

**按比例缩减to scale back**

**按比增加to scale up pressure on north Korea**

**按兵不动to bide one’s time, to sit tight, to sit on one’s hands,**

**to take no action**

**按部就班to work strictly by protocol, to go through channels**

**按常规发展to run its course**

**按规律出牌(办事) to play by the book**

**按鍵 keystroke**

**按進度付款 progress billing**

**按理说，他不对by rights he is wrong**

**按摩to massage, to knead**

**按摩疗法naprapathy，推拿疗法**

**按年計算 to annualize**

**at an annulized rate按年比率**

**按实质计算in real terms**

**按时付款头make regular on-time payments**

**按时作息to live a regular routine, to keep regular hours,**

**to maintain a routine, to have good living habits**

**regular quantitative meals定时定量进餐**

**to avoid staying up late避免熬夜**

**按书本上说的生活to live by the book**

**按数值测算on numerical measurement**

**按下按钮to push the button**

**按预定时间on schedule**

**按需服務 on-demand-service一经要求就服务**

**按照as per**

**按組 blockwise**

**(编者)按editor’s note**

**鞌file, desk, record, table**

**counter-top案台**

**案例，病例case**

**caseload待处理的案例，病例**

**案情details of a case**

**(破)案to solve a case, to track down the criminal**

**暗淡 lackluster**

**暗道外交back channel diplomacy**

**暗諷 to insinuate, innuendo, a snide remark**

**暗号argot黑话**

**暗杀to assassinate (sb)**

**assassination attempt暗杀企图**

**暗使劲covert effort**

**暗示 cue，to allude, innuendo**

**to hint the possibility暗示可能性**

**暗物质dark matter**

**暗星dimming star**

**暗指to allude to potential criticism**

**暗中默许to tacitly acquiesce**

**暗中通知某人tip off**

**暗中危害 insidious**

**黯黯泪下dishearted, dispirited**

**胺amine NH3**

**Ang**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [肮8](http://xh.5156edu.com/html3/13850.html)[昂8](http://xh.5156edu.com/html3/12747.html) [盎10](http://xh.5156edu.com/html3/14798.html)

**号表法no.indicator:** 1 2 3 4

**知识对应Knowledge counterpart:**

**Ang 1**

**骯髒 sordid，squalid room**

**Ang 2**

**昂贵的pricey, expensive**

**昂贵的标价at the hefty price tag**

**昂贵无用的东西white elephant**

**昂萨人 = 盎格鲁-萨克森人 = 五眼联盟的主体民族**

**昂首阔步to stride proudly, with an in-your-face swagger**

**斗志昂扬with high morale**

**Ang 4**

**盎vigorous**

**盎格鲁-萨克森人Ango-Saxon**

**盎司ounce**

**(春意)盎然bloomed spring**

**Ao**

**阴平阳平上声去声**

**曲调melody: l3 3| 3 5| 214| 5 1l**

**样品字sample character:** [凹5](http://xh.5156edu.com/html3/2687.html)[熬14](http://xh.5156edu.com/html3/10616.html)[袄9](http://xh.5156edu.com/html3/16024.html)[傲12](http://xh.5156edu.com/html3/3159.html)

**号表法no.indicator:** 1 2 3 4

**知识对应Knowledge counterpart:**

**Ao 1**

**凹雕技术intaglio technique**

**凹度 concavity**

**凹痕dent**

**凹凸不平uneven, irregularity**

**熬 to cook**

**熬菜cooked vegetable**

**Ao 2**

**敖a surname in China**

**嶅a mountain in Shandong province**

**熬過:卡斯特罗熬过十一位美国总统。**

**Castro outlasts 11 US presidents.**

**熬夜to burn the midnight oil, to stay up late‘**

**to skip sleep**

**遨游to ramble**

**螯chelate**

**chelate agent螯合剂**

**chelate ligand螯合体**

**翱翔to soar, to hover**

**鏖战fierce fighting**

**Ao 3**

**袄cotton-padded coat**

**媪old woman**

**Ao 4**

**傲慢hubris, brash, pomposity**

**傲慢无礼disrespectful**

**奥斯卡获奖片Oscar-winning movies**

**奥斯卡提名歌曲Oscar-nominated song**

**奥特能ultium**

**懊悔 to remorse,to repent,to regret, remorseful**

**懊恼to chagrin**

**澳大利亚Australia**

**AUKUS alliance奥英美联盟(2021,09组建，为澳提供核动力潜艇)**

**-- trilateral military alliance**

**Western knowledge elements:**

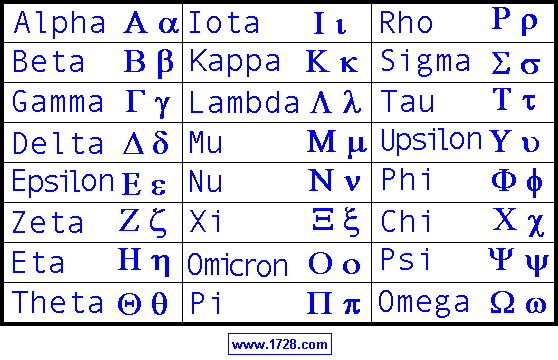
**字符(含义)**

**西语界定**

**Definition of Western Languages**

***希腊字母***

**（新约版圣经，数学，科技界所用）**



***拉丁字母***

**（西方强国，数学，计算机，科技界所用，误称为英文字母）**

The [26](https://en.wiktionary.org/wiki/26" \o "26)-[letter](https://en.wiktionary.org/wiki/letter" \o "letter) [alphabet](https://en.wiktionary.org/wiki/alphabet" \o "alphabet) :

[A](https://en.wiktionary.org/wiki/A" \o "A) [a](https://en.wiktionary.org/wiki/a" \o "a), [B](https://en.wiktionary.org/wiki/B" \o "B) [b](https://en.wiktionary.org/wiki/b" \o "b), [C](https://en.wiktionary.org/wiki/C" \o "C) [c](https://en.wiktionary.org/wiki/c" \o "c), [D](https://en.wiktionary.org/wiki/D" \o "D) [d](https://en.wiktionary.org/wiki/d" \o "d), [E](https://en.wiktionary.org/wiki/E" \o "E) [e](https://en.wiktionary.org/wiki/e" \o "e), [F](https://en.wiktionary.org/wiki/F" \o "F) [f](https://en.wiktionary.org/wiki/f" \o "f), [G](https://en.wiktionary.org/wiki/G" \o "G) [g](https://en.wiktionary.org/wiki/g" \o "g), [H](https://en.wiktionary.org/wiki/H" \o "H) [h](https://en.wiktionary.org/wiki/h" \o "h), [I](https://en.wiktionary.org/wiki/I" \o "I) [i](https://en.wiktionary.org/wiki/i" \o "i), [J](https://en.wiktionary.org/wiki/J" \o "J) [j](https://en.wiktionary.org/wiki/j" \o "j), [K](https://en.wiktionary.org/wiki/K" \o "K) [k](https://en.wiktionary.org/wiki/k" \o "k), [L](https://en.wiktionary.org/wiki/L" \o "L) [l](https://en.wiktionary.org/wiki/l" \o "l), [M](https://en.wiktionary.org/wiki/M" \o "M) [m](https://en.wiktionary.org/wiki/m" \o "m), [N](https://en.wiktionary.org/wiki/N" \o "N) [n](https://en.wiktionary.org/wiki/n" \o "n), [O](https://en.wiktionary.org/wiki/O" \o "O) [o](https://en.wiktionary.org/wiki/o" \o "o), [P](https://en.wiktionary.org/wiki/P" \o "P) [p](https://en.wiktionary.org/wiki/p" \o "p), [Q](https://en.wiktionary.org/wiki/Q" \o "Q) [q](https://en.wiktionary.org/wiki/q" \o "q), [R](https://en.wiktionary.org/wiki/R" \o "R) [r](https://en.wiktionary.org/wiki/r" \o "r), [S](https://en.wiktionary.org/wiki/S" \o "S) [s](https://en.wiktionary.org/wiki/s" \o "s), [T](https://en.wiktionary.org/wiki/T" \o "T) [t](https://en.wiktionary.org/wiki/t" \o "t), [U](https://en.wiktionary.org/wiki/U" \o "U) [u](https://en.wiktionary.org/wiki/u" \o "u), [V](https://en.wiktionary.org/wiki/V" \o "V) [v](https://en.wiktionary.org/wiki/v" \o "v), [W](https://en.wiktionary.org/wiki/W" \o "W) [w](https://en.wiktionary.org/wiki/w" \o "w), [X](https://en.wiktionary.org/wiki/X" \o "X) [x](https://en.wiktionary.org/wiki/x" \o "x), [Y](https://en.wiktionary.org/wiki/Y" \o "Y) [y](https://en.wiktionary.org/wiki/y" \o "y), [Z](https://en.wiktionary.org/wiki/Z" \o "Z) [z](https://en.wiktionary.org/wiki/z" \o "z)

***拉丁字母扩展之一***

（民航界，电信界所用）

**（ICAO）international phonetic alphabet**

**(国际民航组织)国际拼音字母表**

**Letter Morse code phonetic alphabet**

**A .- alpha**

**B -... bravo**

**C -.-. charlie**

**D -.. delta**

**E . echo**

**F ..-. foxtrot**

**G --. golf**

**H .... hotel**

**I .. india**

**J .--- juliett**

**K -.- kilo**

**L .-.. lima**

**M -- mike**

**N -. november**

**O --- oscar**

**P .--. papa**

**Q --.- quebec**

**R .-. romeo**

**S ... sierra**

**T - tango**

**U ..- uniform**

**V ...- victor**

**W .-- whiskey**

**X -..- xray**

**Y -.-- yankee**

**Z --.. zulu**

**说明：Morse code可以用作求救信号...---...即SOS--- save our souls 救命；**

**Morse code中的A和N相配合 .-和-. 作为无线电信标，可保证飞机在正确的**

**航线上飞行。如果飞行员的耳机中是 --- 响声，表明他在正确的航线上，如果**

**耳机中的响声是 .- 表明他向左偏航了；-. 表示向右偏航了。**

**如果一个人在初次非视频电话中说他叫“张香锁”，对方必然要问，是 “弓” “长”张,还**

**是“立” “早”章. phonetic alphabet具有同样功能，**

**再比如，我这儿有两组密码，单单说 BPAH MNIF可能抄不准确，但如果我说第一组密码为bravo papa alpha hotel, 第二组密码为 mike november india foxtrot你一定可以准确地抄下来。**

***附一阿拉伯数字***

**1 .----**

**2 ..---**

**3 ...--**

**4 ....-**

**5 .....**

**6 -....**

**7 --...**

**8 ---..**

**9 ----.**

**0 -----**

***附二罗马数字***

**Roman Numerals**

**换算时要进行 + 或 - ，比如，IV = 5-1 = 4**

**XI = 10+ 1 = 11**

| **Symbol** | **Value** |
| --- | --- |
| **I** | 1 |
| **V** | 5 |
| **X** | 10 |
| **L** | 50 |
| **C** | 100 |
| **D** | 500 |
| **M** | 1000 |
| **没有 ‘零’** | No ‘zero’ |

## Huge Numbers Chart特大数字表

| **Symbol** | **Value** |
| --- | --- |
| **V** | 5,000 |
| **X** | 10,000 |
| **L** | 50,000 |
| **C** | 100,000 |
| **D** | 500,000 |
| **M** | 1,000,000 |

***在VXLCDM 6个字母上方加上一横道等于后边加了三个零。***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 5,000 | 10,000 | 50,000 | 100,000 | 500,000 | 1,000,000 |
| **V** | **X** | **L** | **C** | **D** | **M** |

***拉丁字母扩展之二***

（美国信息交换标准代码，国际通用）

******

***拉丁字母扩展之三***

**（盲文字母）**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Derivation (colored dots) of the 26 letters of the alphabet from the 10 numeric digits (black dots)** | | | | | | | | | |
| [IMG_256](https://en.wikipedia.org/wiki/File:Braille_A1.svg) | [IMG_257](https://en.wikipedia.org/wiki/File:Braille_B2.svg) | [IMG_258](https://en.wikipedia.org/wiki/File:Braille_C3.svg) | [IMG_259](https://en.wikipedia.org/wiki/File:Braille_D4.svg) | [IMG_260](https://en.wikipedia.org/wiki/File:Braille_E5.svg) | [IMG_261](https://en.wikipedia.org/wiki/File:Braille_F6.svg) | [IMG_262](https://en.wikipedia.org/wiki/File:Braille_G7.svg) | [IMG_263](https://en.wikipedia.org/wiki/File:Braille_H8.svg) | [IMG_264](https://en.wikipedia.org/wiki/File:Braille_I9.svg) | [IMG_265](https://en.wikipedia.org/wiki/File:Braille_J0.svg) |
| [a](https://en.wikipedia.org/wiki/A" \o "A)/[1](https://en.wikipedia.org/wiki/1_(number)" \o "1 (number)) | [b](https://en.wikipedia.org/wiki/B" \o "B)/[2](https://en.wikipedia.org/wiki/2_(number)" \o "2 (number)) | [c](https://en.wikipedia.org/wiki/C" \o "C)/[3](https://en.wikipedia.org/wiki/3_(number)" \o "3 (number)) | [d](https://en.wikipedia.org/wiki/D" \o "D)/[4](https://en.wikipedia.org/wiki/4_(number)" \o "4 (number)) | [e](https://en.wikipedia.org/wiki/E" \o "E)/[5](https://en.wikipedia.org/wiki/5_(number)" \o "5 (number)) | [f](https://en.wikipedia.org/wiki/F" \o "F)/[6](https://en.wikipedia.org/wiki/6_(number)" \o "6 (number)) | [g](https://en.wikipedia.org/wiki/G" \o "G)/[7](https://en.wikipedia.org/wiki/7_(number)" \o "7 (number)) | [h](https://en.wikipedia.org/wiki/H" \o "H)/[8](https://en.wikipedia.org/wiki/8_(number)" \o "8 (number)) | [i](https://en.wikipedia.org/wiki/I" \o "I)/[9](https://en.wikipedia.org/wiki/9_(number)" \o "9 (number)) | [j](https://en.wikipedia.org/wiki/J" \o "J)/[0](https://en.wikipedia.org/wiki/0_(number)" \o "0 (number)) |
| [IMG_266](https://en.wikipedia.org/wiki/File:Braille_K_colored.svg) | [IMG_267](https://en.wikipedia.org/wiki/File:Braille_L_colored.svg) | [IMG_268](https://en.wikipedia.org/wiki/File:Braille_M_colored.svg) | [IMG_269](https://en.wikipedia.org/wiki/File:Braille_N_colored.svg) | [IMG_270](https://en.wikipedia.org/wiki/File:Braille_O_colored.svg) | [IMG_271](https://en.wikipedia.org/wiki/File:Braille_P_colored.svg) | [IMG_272](https://en.wikipedia.org/wiki/File:Braille_Q_colored.svg) | [IMG_273](https://en.wikipedia.org/wiki/File:Braille_R_colored.svg) | [IMG_274](https://en.wikipedia.org/wiki/File:Braille_S_colored.svg) | [IMG_275](https://en.wikipedia.org/wiki/File:Braille_T_colored.svg) |
| [k](https://en.wikipedia.org/wiki/K" \o "K) | [l](https://en.wikipedia.org/wiki/L" \o "L) | [m](https://en.wikipedia.org/wiki/M" \o "M) | [n](https://en.wikipedia.org/wiki/N" \o "N) | [o](https://en.wikipedia.org/wiki/O" \o "O) | [p](https://en.wikipedia.org/wiki/P" \o "P) | [q](https://en.wikipedia.org/wiki/Q" \o "Q) | [r](https://en.wikipedia.org/wiki/R" \o "R) | [s](https://en.wikipedia.org/wiki/S" \o "S) | [t](https://en.wikipedia.org/wiki/T" \o "T) |
| [IMG_276](https://en.wikipedia.org/wiki/File:Braille_U_colored.svg) | [IMG_277](https://en.wikipedia.org/wiki/File:Braille_V_colored.svg) | [IMG_278](https://en.wikipedia.org/wiki/File:Braille_X_colored.svg) | [IMG_279](https://en.wikipedia.org/wiki/File:Braille_Y_colored.svg) | [IMG_280](https://en.wikipedia.org/wiki/File:Braille_Z_colored.svg) |  | | | | [IMG_281](https://en.wikipedia.org/wiki/File:Braille_W_colored.svg) |
| [u](https://en.wikipedia.org/wiki/U" \o "U) | [v](https://en.wikipedia.org/wiki/V" \o "V) | [x](https://en.wikipedia.org/wiki/X" \o "X) | [y](https://en.wikipedia.org/wiki/Y" \o "Y) | [z](https://en.wikipedia.org/wiki/Z" \o "Z) | [w](https://en.wikipedia.org/wiki/W" \o "W) |

***西里尔字母***

**（欧洲东部国家，前苏联的中亚国家所用，误称为俄文字母）**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Letters of the Cyrillic alphabet (see also [Cyrillic digraphs](https://en.wikipedia.org/wiki/Cyrillic_digraphs" \o "Cyrillic digraphs))** | | | | | | | | | | | |
| [А A](https://en.wikipedia.org/wiki/A_(Cyrillic)" \o "A (Cyrillic)) | [Б Be](https://en.wikipedia.org/wiki/Be_(Cyrillic)" \o "Be (Cyrillic)) | [В Ve](https://en.wikipedia.org/wiki/Ve_(Cyrillic)" \o "Ve (Cyrillic)) | [Г Ge](https://en.wikipedia.org/wiki/Ge_(Cyrillic)" \o "Ge (Cyrillic)) | [Ґ Ge upturn](https://en.wikipedia.org/wiki/Ghe_with_upturn" \o "Ghe with upturn) | [Д De](https://en.wikipedia.org/wiki/De_(Cyrillic)" \o "De (Cyrillic)) | [Ђ Dje](https://en.wikipedia.org/wiki/Dje" \o "Dje) | [Ѓ Gje](https://en.wikipedia.org/wiki/Gje" \o "Gje) | [Е Ye](https://en.wikipedia.org/wiki/Ye_(Cyrillic)" \o "Ye (Cyrillic)) | [Ё Yo](https://en.wikipedia.org/wiki/Yo_(Cyrillic)" \o "Yo (Cyrillic)) | [Є Yest](https://en.wikipedia.org/wiki/Ukrainian_Ye" \o "Ukrainian Ye) | [Ж Zhe](https://en.wikipedia.org/wiki/Zhe_(Cyrillic)" \o "Zhe (Cyrillic)) |
| [З Ze](https://en.wikipedia.org/wiki/Ze_(Cyrillic)" \o "Ze (Cyrillic)) | [З́ Zje](https://en.wikipedia.org/wiki/%D0%97%CC%81" \o "З́) | [Ѕ Dze](https://en.wikipedia.org/wiki/Dze" \o "Dze) | [И I](https://en.wikipedia.org/wiki/I_(Cyrillic)" \o "I (Cyrillic)) | [І Dotted I](https://en.wikipedia.org/wiki/Dotted_I_(Cyrillic)" \o "Dotted I (Cyrillic)) | [Ї Yi](https://en.wikipedia.org/wiki/Yi_(Cyrillic)" \o "Yi (Cyrillic)) | [Й Short I](https://en.wikipedia.org/wiki/Short_I" \o "Short I) | [Ј Je](https://en.wikipedia.org/wiki/Je_(Cyrillic)" \o "Je (Cyrillic)) | [К Ka](https://en.wikipedia.org/wiki/Ka_(Cyrillic)" \o "Ka (Cyrillic)) | [Л El](https://en.wikipedia.org/wiki/El_(Cyrillic)" \o "El (Cyrillic)) | [Љ Lje](https://en.wikipedia.org/wiki/Lje" \o "Lje) | [М Em](https://en.wikipedia.org/wiki/Em_(Cyrillic)" \o "Em (Cyrillic)) |
| [Н En](https://en.wikipedia.org/wiki/En_(Cyrillic)" \o "En (Cyrillic)) | [Њ Nje](https://en.wikipedia.org/wiki/Nje" \o "Nje) | [О O](https://en.wikipedia.org/wiki/O_(Cyrillic)" \o "O (Cyrillic)) | [П Pe](https://en.wikipedia.org/wiki/Pe_(Cyrillic)" \o "Pe (Cyrillic)) | [Р Er](https://en.wikipedia.org/wiki/Er_(Cyrillic)" \o "Er (Cyrillic)) | [С Es](https://en.wikipedia.org/wiki/Es_(Cyrillic)" \o "Es (Cyrillic)) | [С́ Sje](https://en.wikipedia.org/wiki/%D0%A1%CC%81" \o "С́) | [Т Te](https://en.wikipedia.org/wiki/Te_(Cyrillic)" \o "Te (Cyrillic)) | [Ћ Tshe](https://en.wikipedia.org/wiki/Tshe" \o "Tshe) | [Ќ Kje](https://en.wikipedia.org/wiki/Kje" \o "Kje) | [У U](https://en.wikipedia.org/wiki/U_(Cyrillic)" \o "U (Cyrillic)) | [Ў Short U](https://en.wikipedia.org/wiki/Short_U_(Cyrillic)" \o "Short U (Cyrillic)) |
| [Ф Ef](https://en.wikipedia.org/wiki/Ef_(Cyrillic)" \o "Ef (Cyrillic)) | [Х Kha](https://en.wikipedia.org/wiki/Kha_(Cyrillic)" \o "Kha (Cyrillic)) | [Ц Tse](https://en.wikipedia.org/wiki/Tse_(Cyrillic)" \o "Tse (Cyrillic)) | [Ч Che](https://en.wikipedia.org/wiki/Che_(Cyrillic)" \o "Che (Cyrillic)) | [Џ Dzhe](https://en.wikipedia.org/wiki/Dzhe" \o "Dzhe) | [Ш Sha](https://en.wikipedia.org/wiki/Sha_(Cyrillic)" \o "Sha (Cyrillic)) | [Щ Shcha](https://en.wikipedia.org/wiki/Shcha" \o "Shcha) | [Ъ Hard sign (Yer)](https://en.wikipedia.org/wiki/Yer" \o "Yer) | [Ы Yery](https://en.wikipedia.org/wiki/Yery" \o "Yery) | [Ь Soft sign (Yeri)](https://en.wikipedia.org/wiki/Soft_sign" \o "Soft sign) | [Э E](https://en.wikipedia.org/wiki/E_(Cyrillic)" \o "E (Cyrillic)) | [Ю Yu](https://en.wikipedia.org/wiki/Yu_(Cyrillic)" \o "Yu (Cyrillic)) |
| [Я](https://en.wikipedia.org/wiki/Ya_(Cyrillic)" \o "Ya (Cyrillic)) |  |  |  |  |  |  |  |  |  |  |  |

***犹太字符***

**（旧约版圣经，以色列，数学界所用）**



**形式语言**

**(formal language)**

**单个希腊字母（single Greek letter）**

**A α alpha /ælfƏ/**

**“α” represents小写时代表 (low-case letter):**

**1.三角形的第一个角，对边为A**

**The first angle in a triangle, opposite the side A**

1. **二次方程的一个根，β代表另一个根**

**One root of quadratic equation,where β represents the other**

**3.电子学的双极结型晶体管中集电极电流与发射极之比率**

**The ratio of collector current to emitter current in a bipolar junction transistor(BJT) in electronics**

**4.结果的统计显著性**

**The statistical significance of a result**

**5.统计学中的假阳性率**

**The false positive rate in statistics (“Type I” error)**

**6.牺牲率的倒数(通胀用语)**

**The reciprocal of the sacrifice ratio**

**7.物理的精细结构常数**

**The fine structure constant in physics**

**8.飞机的攻击角**

**The angle of attack of an airplane**

**9.阿尔法粒子(两个正氦离子)**

**An alpha particle (He2+)**

**10.物理学的角加速度**

**Angular acceleration in physics**

**11.线性(温度)热膨胀系数**

**The linear thermal expansion coefficient**

**12.热扩散率**

**The thermal diffusivity**

**13.阿尔法碳是在有机化学中附着在官能团那个碳之后的第一个碳**

**The alpha carbon is the first carbon after the carbon that attaches to**

**a functional group in organic chemistry**

**14.α碳是氨基酸中羰基碳旁边的那个主链碳**

**The α-carbon is the backbone carbon next to the carbonyl carbon**

**in amino acid**

**15天文学中的赤经**

**Right ascension in astronomy**

**16.星座中最亮的星星**

**The brightest star in a constellation**

**17.材料科学内的铁素体和多相位**

**Iron ferrite and numerous phases within materials science**

**18.多于投资风险补偿的回报**

**The return in excess of the compensation for the risk borne**

**in investment**

**19.微积分中α-转换**

**The α-conversion in lambda calculus**

**20.图形的独立数**

**The independence number of a graph**

**单个拉丁字母 （single latin letter）**

**A a /ei/**

**“A” represents大写时代表 (capital letter):**

1.the first corner of a [triangle](https://en.wikipedia.org/wiki/Triangle" \o "Triangle)三角形的第一个角

2.the digit "10" in [hexadecimal](https://en.wikipedia.org/wiki/Hexadecimal" \o "Hexadecimal) and other positional numeral systems with a radix of 11 or greater十六进位制的十位，其它进位制的11或更高位

3.the unit [ampere](https://en.wikipedia.org/wiki/Ampere" \o "Ampere) for electric current

安培----电流的单位

4.the [Area](https://en.wikipedia.org/wiki/Area" \o "Area)

面积

5.the [Mass number](https://en.wikipedia.org/wiki/Mass_number" \o "Mass number) of an element

元素的质量数

6.the [Helmholtz free energy](https://en.wikipedia.org/wiki/Helmholtz_free_energy" \o "Helmholtz free energy) of a closed thermodynamic system of constant Pressure & Temperature

恒压和恒温的封闭的热动力系统之赫尔姆霍茨自由能

7.a [Vector potential](https://en.wikipedia.org/wiki/Vector_potential" \o "Vector potential), in Electromagnetics it can refer to the [magnetic vector potential](https://en.wikipedia.org/wiki/Magnetic_vector_potential" \o "Magnetic vector potential)

向量势(矢势)，在电磁学中它指的是磁矢势

8.an [Abelian group](https://en.wikipedia.org/wiki/Abelian_group" \o "Abelian group) in abstract algebra

抽象几何中的交换群

“A” represents the [algebraic numbers](https://en.wikipedia.org/wiki/Algebraic_numbers" \o "Algebraic numbers) or affine space in [Algebraic Geometry](https://en.wikipedia.org/wiki/Algebraic_Geometry" \o "Algebraic Geometry) (有点空白的)大写A代表：代数几何中的代数数或放射空间

“a” represents小写时代表 (low-case letter):

1.the first side of a triangle (opposite corner A)

三角形的第一个边 (对角为A)

2.the [scale factor](https://en.wikipedia.org/wiki/Scale_fa宇宙学中膨胀宇宙的比例因子(Universe)" \o "Scale factor (Universe)) of the expanding universe in [cosmology](https://en.wikipedia.org/wiki/Cosmology" \o "Cosmology)

宇宙学中膨胀宇宙的比例因子

3.the [acceleration](https://en.wikipedia.org/wiki/Acceleration" \o "Acceleration) in [mechanics equations](https://en.wikipedia.org/wiki/Equations_of_motion" \o "Equations of motion)

力学方程中的加速度

4.the *x*-intercept of a line using the [line equation](https://en.wikipedia.org/wiki/Linear_equation" \o "Linear equation)

用线性方程时的x轴截距

5.the unit for area (100 m2)

面积单位

6.the unit prefix [atto](https://en.wikipedia.org/wiki/Atto-" \o "Atto-) (10-18)

单元名单位

7.the first term in a sequence or series (e.g. *Sn*= *n*(*a*+l)/2)

序列或级数的首项

**ā 修饰性字母，任何拉丁字母上边加上一个横杠表示下列的含义：**

1. **名称：mean平均数**

**读作：overbar, ...bar (字母)上加横杠**

**归类：statistics统计学**

**解释：x (**often read as “x bar”**) is the mean (**average value of **x**i**)**

**（常读作“杠”）是指x**i**的平均值**

**举例：x = {**1,2,3,4**}. ˉx = 3**

1. **名称：finite sequence, tuple**有限序列，元祖

**读作：finite sequence of**某某的有限序列

**归类：model theory**模型理论

**解释： ˉa** means the finite sequence/tuple

**举例： ˉa:=(a1, a2, ..., an)**

1. **名称：algebraic closure代数闭包**

**读作：algebraic closure of某某的代数闭包**

**归类：field theory场论**

**解释：ˉF** is the algebraic closure of the field **F**

**ˉF 是场论** **F的代数闭包**

**举例：** T**he field of algebraic number is sometimes denoted as**

**Q because it is the algebraic closure of rational numbers Q**

**代数数的场论有时用ˉQ表示,因为它是有理数Q的代数闭包**

1. **名称：complex conjugate复共轭**

**读作：conjugate共轭**

**归类：complex numbers复数**

**解释：ˉZ means complex conjugate of Z. (Z’ can also be used for**

**the conjugate of Z) ˉZ 或Z’都意味着Z的复共轭**

**举例：ˉˉˉ3 + 4i = 3 - 4i**

1. **名称：topological closure拓扑闭包**

**读作：(topological) closure of 某某的（拓扑）闭包**

**归类：topology拓扑**

**解释is the topological closure of the set S**

**This may also be denoted as cl(s) or Cl(s).**

**，cl(s) 或 Cl(s)都可表示S集合的拓扑闭包**

**→a (a上边加个箭头→表示下列内容）**

**名称：vector向量**

**读作：harpoon渔叉**

**归类：linear algebra线性代数**

**â任何拉丁字母上面带个帽子,都有下列含义：**

1. **名称：unit vector单位向量**

**读作：hat帽子**

**归类：geometry几何**

**解释：â (pronounced “hat”)is the normalized version of vector a**

**Having length 1. â 是长度为1的a的规范版本。**

1. **名称：estimator估算**

**读作：estimator for适合于某某的估算**

**归类：statistics统计学**

**解释҄ ^θis the estimator or the estimate for the parameter θ**

**^θ是参数θ的估算值。**

**举例: The estimator҄μ҄ = Ʃixi/n provides a sample estimate μ҄(x)**

**for the mean μ. ^μ= Ʃixi/n为所有μ的平均值提供了样板估算值^μ。**

**ꓯ倒写的A代表：**

**名称：universal quantification**全称量化

**读作：for all; for any; for each; for every**

**适合于：所有的；任何一个；整体；每一个**

**归类：predicate logic谓语逻辑**

**解释：ꓯ**x**: P(**x**)** means **p**(x) is true for all (x)

**ꓯ**x**: P(**x**)** 意味着 **p**(x) 适合于所有x

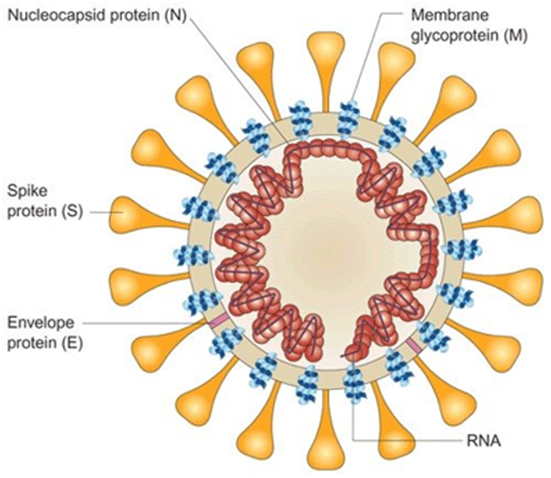
**举例：ꓯ**n Є **N:**n2 ≥n

**所有的n都是自然数：该数的平方值等于或大于该数。**

**字符串 (alphanumerical string of Latin):**

**ABC warfare--- Atomic Biological Chemical warfare原子生物化学战**

**ACE2---** angiotenin converting enzyme 2 血管紧张转化酶2，定位于X染色体位点，包含18个外显子。E胞膜蛋白，M膜蛋白，N核蛋白，S棘突蛋白。RNA---ribose nucleic acid核糖核酸. RBD---receptor binding domain受体结合域



**AIDS--- acquired immune deficiency syndrome 艾滋病**

**AL---artificial intelligence人工智能**

**AOC--- Admiral Overseas Corporation艾德蒙海外股份有限公司**

**ASAP--- as soon as possible越快越好，尽快**

**artificial starch anabolic pathway人造淀粉合成代谢途径**

**ASCII--- American Standard Code for Information Interchange美国信息交换标准码**