**A**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| a block of pointers | 一块指针 | 一组指针 |  |
| abbreviation | 缩略语 |  |  |
| abstract | 抽象的 |  |  |
| abstract syntax tree, AST | 抽象语法树 |  |  |
| abstraction | 抽象 |  |  |
| abstraction barrier | 抽象屏障 | 抽象阻碍 |  |
| abstraction of function calls | 函数调用抽象 |  |  |
| access | 访问 | 存取 |  |
| access function | 访问函数 | 存取函数 |  |
| accumulator | 累加器 |  |  |
| activate | 激活 |  |  |
| ad hoc | 专设 |  |  |
| adapter | 适配器 |  |  |
| address | 地址 |  |  |
| algebraic data type | 代数数据类型 |  |  |
| algorithm | 算法 |  |  |
| alias | 别名 |  |  |
| allocate | 分配 | 配置 |  |
| alternative | 备选 |  |  |
| amortized analysis | 平摊分析 |  |  |
| anaphoric | 指代 |  |  |
| annotation | 注解 |  |  |
| anonymous function | 匿名函数 |  |  |
| antecedent | 前提 | 前件 | 先决条件 |
| append | 追加 | 拼接 |  |
| application | 应用 | 应用程序 |  |
| application framework | 应用框架 |  |  |
| application program interface, API | 应用程序编程接口 |  |  |
| application service provider, ASP | 应用程序服务提供商 |  |  |
| applicative | 应用序 |  |  |
| argument | 参数 | 自变量 | 实际参数/实参 |
| arithmetic | 算术 |  |  |
| array | 数组 |  |  |
| artificial intelligence, AI | 人工智能 |  |  |
| assemble | 组合 |  |  |
| assembly | 汇编 |  |  |
| assignment | 赋值 |  |  |
| assignment operator | 赋值操作符 |  |  |
| associated | 关联的 |  |  |
| association list, alist | 关联列表 |  |  |
| atom | 原子 |  |  |
| atomic | 原子的 |  |  |
| atomic value | 原子型值 |  |  |
| attribute | 属性 | 特性 |  |
| augmented | 扩充 |  |  |
| automatic memory management | 自动内存管理 |  |  |
| automatically infer | 自动推导 |  |  |
| autometa theory | 自动机理论 |  |  |
| auxiliary | 辅助 |  |  |

**B**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| backquote | 反引用 |  |  |
| backtrace | 回溯 |  |  |
| backward compatible | 向下兼容 |  |  |
| bandwidth | 带宽 |  |  |
| base case | 基本情形 |  |  |
| base class | 基类 |  |  |
| Bayes' theorem | 贝叶斯定理 |  |  |
| best viable function | 最佳可行函式 | 最佳可行函数 |  |
| Bezier curve | 贝塞尔曲线 |  |  |
| bignum | 大数 |  |  |
| binary operator | 二元操作符 |  |  |
| binary search | 二分查找 | 二分搜索 | 二叉搜索 |
| binary search tree | 二叉搜索树 |  |  |
| binary tree | 二叉树 |  |  |
| binding | 绑定 |  |  |
| binding vector | 绑定向量 |  |  |
| bit | 位 | 比特 |  |
| bit manipulation | 位操作 |  |  |
| black box abstraction | 黑箱抽象 |  |  |
| block | 块 | 区块 |  |
| block structure | 块结构 | 区块结构 |  |
| block name | 代码块名字 |  |  |
| Blub paradox | Blub 困境 |  |  |
| body | 体 | 主体 |  |
| boilerplate | 公式化 | 样板 |  |
| bookkeeping | 簿记 |  |  |
| boolean | 布尔 |  |  |
| border | 边框 |  |  |
| bottom-up design | 自底向上的设计 |  |  |
| bottom-up programming | 自底向上编程 |  |  |
| bound | 边界 |  |  |
| bounds checking | 边界检查 |  |  |
| box notation | 箱子表示法 |  |  |
| brace | 花括弧 | 花括号 |  |
| bracket | 方括弧 | 方括号 |  |
| branch | 分支 | 跳转 |  |
| breadth-first | 广度优先 |  |  |
| breadth-first search, BFS | 广度优先搜索 |  |  |
| breakpoint | 断点 |  |  |
| brevity | 简洁 |  |  |
| buffer | 缓冲区 |  |  |
| buffer overflow attack | 缓冲区溢出攻击 |  |  |
| bug | 臭虫 |  |  |
| building | 创建 |  |  |
| built-in | 内置 |  |  |
| byte | 字节 |  |  |
| bytecode | 字节码 |  |  |

**C**

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| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| cache | 缓存 |  |  |
| call | 调用 |  |  |
| callback | 回调 |  |  |
| CamelCase | 驼峰式大小写 |  |  |
| candidate function | 候选函数 |  |  |
| capture | 捕捉 |  |  |
| case | 分支 |  |  |
| character | 字符 |  |  |
| checksum | 校验和 |  |  |
| child class | 子类 |  |  |
| choke point | 滞塞点 |  |  |
| chunk | 块 |  |  |
| circular definition | 循环定义 |  |  |
| clarity | 清晰 |  |  |
| class | 类 | 类别 |  |
| class declaration | 类声明 |  |  |
| class library | 类库 |  |  |
| client | 客户 | 客户端 |  |
| clipboard | 剪贴板 |  |  |
| clone | 克隆 |  |  |
| closed world assumption | 封闭世界假定 |  |  |
| closure | 闭包 |  |  |
| clutter | 杂乱 |  |  |
| code | 代码 |  |  |
| code bloat | 代码膨胀 |  |  |
| collection | 收集器 | 复合类型 |  |
| column | 行 | 栏 |  |
| column-major order | 行主序 |  |  |
| comma | 逗号 |  |  |
| command-line | 命令行 |  |  |
| command-line interface, CLI | 命令行界面 |  |  |
| Common Lisp Object System, CLOS | Common Lisp 对象系统 |  |  |
| Common Gateway Interface, CGI | 通用网关接口 |  |  |
| compatible | 兼容 |  |  |
| compilation | 编译 |  |  |
| compilation parameter | 编译参数 |  |  |
| compile | 编译 |  |  |
| compile inline | 内联编译 |  |  |
| compile time | 编译期 |  |  |
| compiled form | 编译后的形式 |  |  |
| compiler | 编译器 |  |  |
| complex | 复杂 |  |  |
| complexity | 复杂度 |  |  |
| compliment | 补集 |  |  |
| component | 组件 |  |  |
| composability | 可组合性 |  |  |
| composition | 组合 | 组合函数 |  |
| compound value | 复合数据 | 复合值 |  |
| compression | 压缩 |  |  |
| computation | 计算 |  |  |
| computer | 计算机 |  |  |
| concatenation | 串接 |  |  |
| concept | 概念 |  |  |
| concrete | 具体 |  |  |
| concurrency | 并发 |  |  |
| concurrent | 并发 |  |  |
| conditional | 条件式 |  |  |
| conditional variable | 条件变量 |  |  |
| configuration | 配置 |  |  |
| connection | 连接 |  |  |
| cons | 构造 |  |  |
| cons cell | 构元 | cons 单元 |  |
| consequent | 结果 | 推论 |  |
| consistent | 一致性 |  |  |
| constant | 常量 |  |  |
| constraint | 约束 |  |  |
| constraint programming | 约束式编程 |  |  |
| container | 容器 |  |  |
| content-based filtering | 基于内容的过滤 |  |  |
| context | 上下文 | 语境 | 环境 |
| continuation | 延续性 |  |  |
| continuous integration, CI | 持续集成 |  |  |
| control | 控件 |  |  |
| cooperative multitasking | 协作式多任务 |  |  |
| copy | 拷贝 |  |  |
| corollary | 推论 |  |  |
| coroutine | 协程 |  |  |
| corruption | 程序崩溃 |  |  |
| crash | 崩溃 |  |  |
| create | 创建 |  |  |
| crystallize | 固化 |  |  |
| curly | 括弧状的 |  |  |
| curried | 柯里的 |  |  |
| currying | 柯里化 |  |  |
| cursor | 光标 |  |  |
| curvy | 卷曲的 |  |  |
| cycle | 周期 |  |  |

**D**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| dangling pointer | 迷途指针 | 野指针 |  |
| Defense Advanced Research Projects Agency, DARPA | 美国国防部高级研究计划局 |  |  |
| data | 数据 |  |  |
| data structure | 数据结构 |  |  |
| data type | 数据类型 |  |  |
| data-driven | 数据驱动 |  |  |
| database | 数据库 |  |  |
| database schema | 数据库模式 |  |  |
| datagram | 数据报文 |  |  |
| dead lock | 死锁 |  |  |
| debug | 调试 |  |  |
| debugger | 调试器 |  |  |
| debugging | 调试 |  |  |
| declaration | 声明 |  |  |
| declaration forms | 声明形式 |  |  |
| declarative | 声明式 | 说明式 |  |
| declarative knowledge | 声明式知识 | 说明式知识 |  |
| declarative programming | 声明式编程 | 说明式编程 |  |
| declarativeness | 可声明性 |  |  |
| declaring | 声明 |  |  |
| deconstruction | 解构 |  |  |
| deduction | 推导 | 推断 |  |
| default | 缺省 | 默认 |  |
| defer | 推迟 |  |  |
| deficiency | 缺陷 | 不足 |  |
| define | 定义 |  |  |
| definition | 定义 |  |  |
| delegate | 委托 |  |  |
| delegation |  |  |  |
| dellocate | 释放 |  |  |
| demarshal | 散集 |  |  |
| deprecated | 废弃 |  |  |
| depth-first | 深度优先 |  |  |
| depth-first search, BFS | 深度优先搜索 |  |  |
| derived | 派生 |  |  |
| derived class | 派生类 |  |  |
| design pattern | 设计模式 |  |  |
| designator | 指示符 |  |  |
| destructive | 破坏性的 |  |  |
| destructive function | 破坏性函数 |  |  |
| destructuring | 解构 |  |  |
| device driver | 硬件驱动程序 |  |  |
| dimensions | 维度 |  |  |
| directive | 指令 |  |  |
| directive | 指示符 |  |  |
| directory | 目录 |  |  |
| disk | 盘 |  |  |
| dispatch | 分派 | 派发 |  |
| distributed computing | 分布式计算 |  |  |
| DLL hell | DLL 地狱 |  |  |
| document | 文档 |  |  |
| dotted list | 点状列表 |  |  |
| dotted-pair notation | 带点尾部表示法 | 带点尾部记法 |  |
| duplicate | 复本 |  |  |
| dynamic binding | 动态绑定 |  |  |
| dynamic extent | 动态范围 |  |  |
| dynamic languages | 动态语言 |  |  |
| dynamic scope | 动态作用域 |  |  |
| dynamic type | 动态类型 |  |  |

**E**

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| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| effect | 效果 |  |  |
| efficiency | 效率 |  |  |
| efficient | 高效 |  |  |
| elaborate |  |  |  |
| elucidating |  |  |  |
| embedded language | 嵌入式语言 |  |  |
| emulate | 仿真 |  |  |
| encapsulation | 封装 |  |  |
| enum | 枚举 |  |  |
| enumeration type | 枚举类型 |  |  |
| enumrators | 枚举器 |  |  |
| environment | 环境 |  |  |
| equal | 相等 |  |  |
| equality | 相等性 |  |  |
| equation | 方程 |  |  |
| equivalence | 等价性 |  |  |
| error message | 错误信息 |  |  |
| error-checking | 错误检查 |  |  |
| escaped | 逃脱 | 溢出 |  |
| escape character | 转义字符 |  |  |
| evaluate | 求值 | 评估 |  |
| evaluation | 求值 |  |  |
| event | 事件 |  |  |
| event driven | 事件驱动 |  |  |
| exception | 异常 |  |  |
| exception handling | 异常处理 |  |  |
| exception specification | 异常规范 |  |  |
| exit | 退出 |  |  |
| expendable | 可扩展的 |  |  |
| explicit | 显式 |  |  |
| exploratory programming | 探索式编程 |  |  |
| export | 导出 | 引出 |  |
| expression | 表达式 |  |  |
| expressive power | 表达能力 |  |  |
| extensibility | 可扩展性 |  |  |
| extent | 范围 | 程度 |  |
| external representation | 外部表示法 |  |  |
| extreme programming | 极限编程 |  |  |

**F**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| factorial | 阶乘 |  |  |
| family | （类型的）系 |  |  |
| feasible | 可行的 |  |  |
| feature | 特色 |  |  |
| field | 字段 | 栏位 |  |
| file | 文件 |  |  |
| file handle | 文件句柄 |  |  |
| fill pointer | 填充指针 |  |  |
| fineo-grained | 细粒度 |  |  |
| firmware | 固件 |  |  |
| first-class | 第一类的 | 第一级的 | 一等的 |
| first-class function | 第一级函数 | 第一类函数 | 一等函数 |
| first-class object | 第一类的对象 | 第一级的对象 | 一等公民 |
| fixed-point | 不动点 |  |  |
| fixnum | 定长数 | 定点数 |  |
| flag | 标记 |  |  |
| flash | 闪存 |  |  |
| flexibility | 灵活性 |  |  |
| floating-point | 浮点数 |  |  |
| floating-point notation | 浮点数表示法 |  |  |
| flush | 刷新 |  |  |
| fold | 折叠 |  |  |
| font | 字体 |  |  |
| force | 迫使 |  |  |
| form | 形式 |  |  |
| form | 表单 |  |  |
| formal parameter | 形参 |  |  |
| formal relation | 形式关系 |  |  |
| forward | 转发 |  |  |
| forward references |  |  |  |
| fractal | 分形 |  |  |
| fractions | 派系 |  |  |
| framework | 框架 |  |  |
| freeware | 自由软件 |  |  |
| function | 函数 |  |  |
| function literal | 函数字面常量 |  |  |
| function object | 函数对象 |  |  |
| functional arguments | 函数型参数 |  |  |
| functional programming | 函数式编程 |  |  |
| functionality | 功能性 |  |  |

**G**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| game | 游戏 |  |  |
| garbage | 垃圾 |  |  |
| garbage collection | 垃圾回收 |  |  |
| garbage collector | 垃圾回收器 |  |  |
| generalized | 泛化 |  |  |
| generalized variable | 广义变量 |  |  |
| generate | 生成 |  |  |
| generator | 生成器 |  |  |
| generic | 通用的 | 泛化的 |  |
| generic algorithm | 通用算法 | 泛型算法 |  |
| generic function | 通用函数 |  |  |
| generic programming | 通用编程 | 泛型编程 |  |
| genrative programming | 生产式编程 |  |  |
| global | 全局的 |  |  |
| global declaration | 全局声明 |  |  |
| glue program | 胶水程序 |  |  |
| goto | 跳转 |  |  |
| graphical user interface, GUI | 图形用户界面 |  |  |
| greatest common divisor | 最大公因数 |  |  |
| Greenspun's tenth rule | 格林斯潘第十定律 |  |  |

**H**

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| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| hack | 破解 |  |  |
| hacker | 黑客 |  |  |
| handle | 处理器 | 处理程序 | 句柄 |
| hard disk | 硬盘 |  |  |
| hard-wire |  |  |  |
| hardware | 硬件 |  |  |
| hash tables | 哈希表 | 散列表 |  |
| header | 头部 |  |  |
| header file | 头文件 |  |  |
| heap | 堆 |  |  |
| helper | 辅助函数 | 辅助方法 |  |
| heuristic | 启发式 |  |  |
| high-order | 高阶 |  |  |
| higher-order function | 高阶函数 |  |  |
| higher-order procedure | 高阶过程 |  |  |
| hyperlink | 超链接 |  |  |
| HyperText Markup Language, HTML | 超文本标记语言 |  |  |
| HyperText Transfer Protocol, HTTP | 超文本传输协议 |  |  |

**I**

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| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| identical | 一致 |  |  |
| identifier | 标识符 |  |  |
| identity | 同一性 |  |  |
| ill type | 类型不正确 |  |  |
| illusion | 错觉 |  |  |
| imperative | 命令式 |  |  |
| imperative programming | 命令式编程 |  |  |
| implement | 实现 |  |  |
| implementation | 实现 |  |  |
| implicit | 隐式 |  |  |
| import | 导入 |  |  |
| incremental testing | 增量测试 |  |  |
| indent | 缩排 | 缩进 |  |
| indentation | 缩排 | 缩进 |  |
| indented | 缩排 | 缩进 |  |
| indention | 缩排 | 缩进 |  |
| infer | 推导 |  |  |
| infinite loop | 无限循环 |  |  |
| infinite recursion | 无限递归 |  |  |
| infinite precision | 无限精度 |  |  |
| infix | 中序 |  |  |
| information | 信息 |  |  |
| information technology, IT | 信息技术 |  |  |
| inheritance | 继承 |  |  |
| initialization | 初始化 |  |  |
| initialize | 初始化 |  |  |
| inline | 内联 |  |  |
| inline expansion | 内联展开 |  |  |
| inner class | 内嵌类 |  |  |
| inner loop | 内层循环 |  |  |
| input | 输入 |  |  |
| instances | 实例 |  |  |
| instantiate | 实例化 |  |  |
| instructive | 教学性的 |  |  |
| instrument | 记录仪 |  |  |
| integer | 整数 |  |  |
| integrate | 集成 |  |  |
| interactive language | 交互式语言 |  |  |
| interactive programming environment | 交互式编程环境 |  |  |
| interactive testing | 交互式测试 |  |  |
| interacts | 交互 |  |  |
| interface | 接口 |  |  |
| intermediate form | 过渡形式 | 中间形式 |  |
| internal | 内部 |  |  |
| internet | 互联网 | 因特网 |  |
| interpolation | 插值 |  |  |
| interpret | 解释 |  |  |
| interpreter | 解释器 |  |  |
| interrupt | 中止 | 中断 |  |
| intersection | 交集 |  |  |
| inter-process communication, IPC | 进程间通信 |  |  |
| invariants | 约束条件 |  |  |
| invoke | 调用 |  |  |
| item | 项 |  |  |
| iterate | 迭代 |  |  |
| iteration | 迭代的 |  |  |
| iterative | 迭代的 |  |  |
| iterator | 迭代器 |  |  |

**J**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| jagged | 锯齿状的 |  |  |
| job control language, JCL | 作业控制语言 |  |  |
| judicious | 明智的 |  |  |

**K**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| kernel | 核心 |  |  |
| kernel language | 核心语言 |  |  |
| keyword argument | 关键字参数 |  |  |
| keywords | 关键字 |  |  |
| kludge | 蹩脚 |  |  |

**L**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| lambda calculus | lambda 演算 |  |  |
| larval startup | 雏形创业公司 |  |  |
| laser | 激光 |  |  |
| latitude |  |  |  |
| layout | 版型 |  |  |
| lazy | 惰性 |  |  |
| lazy evaluation | 惰性求值 |  |  |
| legacy software | 历史遗留软件 |  |  |
| leverage | 杠杆 | (动词)利用 |  |
| lexical | 词法的 |  |  |
| lexical analysis | 词法分析 |  |  |
| lexical closure | 词法闭包 |  |  |
| lexical scope | 词法作用域 |  |  |
| Language For Smart People, LFSP | 聪明人的语言 |  |  |
| library | 库 | 函数库 | 函式库 |
| lifetime | 生命期 |  |  |
| linear iteration | 线性迭代 |  |  |
| linear recursion | 线性递归 |  |  |
| link | 链接 | 连接 |  |
| linker | 连接器 |  |  |
| list | 列表 |  |  |
| list operation | 列表操作 |  |  |
| literal | 字面 |  |  |
| literal constant | 字面常量 |  |  |
| literal representation | 字面量 |  |  |
| load | 装载 | 加载 |  |
| loader | 装载器 | 加载器 |  |
| local | 局部的 | 局域的 |  |
| local declarations | 局部声明 |  |  |
| local function | 局部函数 | 局域函数 |  |
| local variable | 局部变量 | 局域变量 |  |
| locality | 局部性 |  |  |
| loop | 循环 |  |  |
| lvalue | 左值 |  |  |

**M**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| machine instruction | 机器指令 |  |  |
| machine language | 机器语言 |  |  |
| machine language code | 机器语言代码 |  |  |
| machine learning | 机器学习 |  |  |
| macro | 宏 |  |  |
| mailing list | 邮件列表 |  |  |
| mainframes | 大型机 |  |  |
| maintain | 维护 |  |  |
| manifest typing | 显式类型 |  |  |
| manipulator | 操纵器 |  |  |
| mapping | 映射 |  |  |
| mapping functions | 映射函数 |  |  |
| marshal | 列集 |  |  |
| math envy | 对数学家的妒忌 |  |  |
| member | 成员 |  |  |
| memorizing | 记忆化 |  |  |
| memory | 内存 |  |  |
| memory allocation | 内存分配 |  |  |
| memory leaks | 内存泄漏 |  |  |
| menu | 菜单 |  |  |
| message | 消息 |  |  |
| message-passing | 消息传递 |  |  |
| meta- | 元- |  |  |
| meta-programming | 元编程 |  |  |
| metacircular | 元循环 |  |  |
| method | 方法 |  |  |
| method combination | 方法组合 | 方法组合机制 |  |
| micro | 微 |  |  |
| middleware | 中间件 |  |  |
| migration | （数据库）迁移 |  |  |
| minimal network | 最小网络 |  |  |
| mirror | 镜射 |  |  |
| mismatch type | 类型不匹配 |  |  |
| model | 模型 |  |  |
| modem | 调制解调器 |  |  |
| modifier | 修饰符 |  |  |
| modularity | 模块性 |  |  |
| module | 模块 |  |  |
| monad | 单子 |  |  |
| monkey patch | 猴子补丁 |  |  |
| monomorphic type language | 单型语言 |  |  |
| Moore's law | 摩尔定律 |  |  |
| mouse | 鼠标 |  |  |
| multi-task | 多任务 |  |  |
| multiple values | 多值 |  |  |
| mutable | 可变的 |  |  |
| mutex | 互斥锁 |  |  |
| Multiple Virtual Storage, MVS | 多重虚拟存储 |  |  |

**N**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| namespace | 命名空间 |  |  |
| native | 本地的 |  |  |
| native code | 本地码 |  |  |
| natural language | 自然语言 |  |  |
| natural language processing | 自然语言处理 |  |  |
| nested | 嵌套 |  |  |
| nested class | 嵌套类 |  |  |
| network | 网络 |  |  |
| newline | 换行 | 新行 |  |
| non-deterministic choice | 非确定性选择 |  |  |
| non-strict | 非严格 |  |  |
| non-strict evaluation | 非严格求值 |  |  |
| nondeclarative |  |  |  |
| nondestructive version | 非破坏性的版本 |  |  |
| number crunching | 数字密集运算 |  |  |

**O**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| object | 对象 |  |  |
| object code | 目标代码 |  |  |
| object-oriented | 面向对象 |  |  |
| object-oriented programming | 面向对象编程 |  |  |
| Occam's razor | 奥卡姆剃刀原则 |  |  |
| on the fly | 运行中 | 执行时 |  |
| online | 在线 |  |  |
| open source | 开放源码 |  |  |
| operand | 操作对象 |  |  |
| operating system, OS | 操作系统 |  |  |
| operation | 操作 |  |  |
| operator | 操作符 |  |  |
| optimization | 优化 |  |  |
| optimization of tail calls | 尾调用优化 |  |  |
| option | 选项 |  |  |
| optional | 可选的 | 选择性的 |  |
| optional argument | 选择性参数 |  |  |
| ordinary | 常规的 |  |  |
| orthogonality | 正交性 |  |  |
| overflow | 溢出 |  |  |
| overhead | 额外开销 |  |  |
| overload | 重载 |  |  |
| override | 覆写 |  |  |

**P**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| package | 包 |  |  |
| pair | 点对 |  |  |
| palindrome | 回文 |  |  |
| paradigm | 范式 |  |  |
| parallel | 并行 |  |  |
| parallel computer | 并行计算机 |  |  |
| param | 参数 |  |  |
| parameter | 参数 | 形式参数/形参 |  |
| paren-matching | 括号匹配 |  |  |
| parent class | 父类 |  |  |
| parentheses | 括号 |  |  |
| Parkinson's law | 帕金森法则 |  |  |
| parse | 解析 |  |  |
| parse tree | 解析树 | 分析树 |  |
| parser | 解析器 |  |  |
| partial application | 部分应用 |  |  |
| partial applied | 分步代入的 |  |  |
| partial function application | 部分函数应用 |  |  |
| particular ordering | 部分有序 |  |  |
| pass by adress | 按址传递 | 传址 |  |
| pass by reference | 按引用传递 | 传引用 |  |
| pass by value | 按值传递 | 传值 |  |
| path | 路径 |  |  |
| pattern | 模式 |  |  |
| pattern match | 模式匹配 |  |  |
| perform | 执行 |  |  |
| performance | 性能 |  |  |
| performance-critical |  |  |  |
| persistence | 持久性 |  |  |
| phrenology | 相面 |  |  |
| physical | 物理的 |  |  |
| pipe | 管道 |  |  |
| pixel | 像素 |  |  |
| placeholder | 占位符 |  |  |
| planning | 计画 |  |  |
| platform | 平台 |  |  |
| pointer | 指针 |  |  |
| pointer arithmetic | 指针运算 |  |  |
| poll | 轮询 |  |  |
| polymorphic | 多态 |  |  |
| polymorphism | 多态 |  |  |
| polynomial | 多项式的 |  |  |
| pool | 池 |  |  |
| port | 端口 |  |  |
| portable | 可移植性 |  |  |
| portal | 门户 |  |  |
| positional parameters | 位置参数 |  |  |
| postfix | 后序 |  |  |
| precedence | 优先级 |  |  |
| precedence list | 优先级列表 |  |  |
| preceding | 前述的 |  |  |
| predicate | 判断式 | 谓词 |  |
| preemptive multitasking | 抢占式多任务 |  |  |
| premature design | 过早设计 |  |  |
| preprocessor | 预处理器 |  |  |
| prescribe | 规定 |  |  |
| prime | 素数 |  |  |
| primitive | 原语 |  |  |
| primitive recursive | 主递归 |  |  |
| primitive type | 原生类型 |  |  |
| principal type | 主要类型 |  |  |
| print | 打印 |  |  |
| printed representation | 打印表示法 |  |  |
| printer | 打印机 |  |  |
| priority | 优先级 |  |  |
| procedure | 过程 |  |  |
| procedurual | 过程化的 |  |  |
| procedurual knowledge | 过程式知识 |  |  |
| process | 进程 |  |  |
| process priority | 进程优先级 |  |  |
| productivity | 生产力 |  |  |
| profile | 评测 |  |  |
| profiler | 评测器 | 性能分析器 |  |
| programmer | 程序员 |  |  |
| programming | 编程 |  |  |
| programming language | 编程语言 |  |  |
| project | 项目 |  |  |
| prompt | 提示符 |  |  |
| proper list | 正规列表 |  |  |
| property | 属性 |  |  |
| property list | 属性列表 |  |  |
| protocol | 协议 |  |  |
| prototype | 原型 |  |  |
| pseudo code | 伪码 |  |  |
| pseudo instruction | 伪指令 |  |  |
| purely functional language | 纯函数式语言 |  |  |
| pushdown stack | 下推栈 |  |  |

**Q**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| qualified | 修饰的 | 带前缀的 |  |
| qualifier | 修饰符 |  |  |
| quality | 质量 |  |  |
| quality assurance, QA | 质量保证 |  |  |
| query | 查询 |  |  |
| query language | 查询语言 |  |  |
| queue | 队列 |  |  |
| quote | 引用 |  |  |
| quoted form | 引用形式 |  |  |

**R**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| race condition | 条件竞争 | 竞态条件 |  |
| radian | 弧度 |  |  |
| Redundant Array of Independent Disks, RAID | 冗余独立磁盘阵列 |  |  |
| raise | 引起 |  |  |
| random number | 随机数 |  |  |
| range | 范围 | 区间 |  |
| rank | （矩阵）秩 | 排名 |  |
| rapid prototyping | 快速原型开发 |  |  |
| rational database | 关系数据库 |  |  |
| raw | 未经处理的 |  |  |
| read | 读取 |  |  |
| read-evaluate-print loop, REPL | 读取-求值-打印循环 |  |  |
| read-macro | 读取宏 |  |  |
| record | 记录 |  |  |
| recursion | 递归 |  |  |
| recursive | 递归的 |  |  |
| recursive case | 递归情形 |  |  |
| refactor | 重构 |  |  |
| refer | 参考 |  |  |
| reference | 引用 | 参考 |  |
| referential transparency | 引用透明 |  |  |
| refine | 精化 |  |  |
| reflection | 反射 | 映像 |  |
| register | 寄存器 |  |  |
| registry creep | 注册表蠕变 |  |  |
| regular expression | 正则表达式 |  |  |
| represent | 表现 |  |  |
| request | 请求 |  |  |
| resolution | 解析度 |  |  |
| resolve | 解析 |  |  |
| rest parameter | 剩余参数 |  |  |
| return | 返回 | 回车 |  |
| return value | 返回值 |  |  |
| reuse of software | 代码重用 |  |  |
| right associative | 右结合 |  |  |
| Reduced Instruction Set Computer, RISC | 精简指令系统计算机 |  |  |
| robust | 健壮 |  |  |
| robustness | 健壮性 | 鲁棒性 |  |
| routine | 例程 |  |  |
| routing | 路由 |  |  |
| row-major order | 列主序 |  |  |
| remote procedure call, RPC | 远程过程调用 |  |  |
| run-length encoding | 游程编码 |  |  |
| run-time typing | 运行期类型 |  |  |
| runtime | 运行期 |  |  |
| rvalue | 右值 |  |  |

**S**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| S-expression | S-表达式 |  |  |
| save | 储存 |  |  |
| Secure Sockets Layer, SSL | 安全套接字层 |  |  |
| scaffold | 脚手架 | 鹰架 |  |
| scalar type | 标量 |  |  |
| scan | 扫描 |  |  |
| schedule | 调度 |  |  |
| scheduler | 调度程序 |  |  |
| scope | 作用域 |  |  |
| SCREAMING\_SNAKE\_CASE | 尖叫式蛇底大写 |  |  |
| screen | 屏幕 |  |  |
| scripting language | 脚本语言 |  |  |
| search | 查找 | 搜寻 |  |
| segment of instructions | 指令片段 |  |  |
| semantics | 语义 |  |  |
| semaphore | 信号量 |  |  |
| semicolon | 分号 |  |  |
| sequence | 序列 |  |  |
| sequential | 循序的 | 顺序的 |  |
| sequential collection literals |  |  |  |
| serial | 串行 |  |  |
| serialization | 序列化 |  |  |
| series | 串行 | 级数 |  |
| server | 服务器 |  |  |
| shadowing | 隐蔽了 |  |  |
| sharp | 犀利的 |  |  |
| sharp-quote | 升引号 |  |  |
| shortest path | 最短路径 |  |  |
| SICP | 《计算机程序的构造与解释》 |  |  |
| side effect | 副作用 |  |  |
| signature | 签名 |  |  |
| simple vector | 简单向量 |  |  |
| simulate | 模拟 |  |  |
| Single Point of Truth, SPOT | 真理的单点性 |  |  |
| single-segment | 单段的 |  |  |
| sketch | 草图 | 初步框架 |  |
| slash | 斜线 |  |  |
| slot | 槽 |  |  |
| smart pointer | 智能指针 |  |  |
| snake\_case | 蛇底式小写 |  |  |
| snapshot | 屏幕截图 |  |  |
| socket | 套接字 |  |  |
| software | 软件 |  |  |
| solution | 方案 |  |  |
| source code | 源代码 |  |  |
| space leak | 内存泄漏 |  |  |
| spaghetti | 面条式代码 | 意面式代码 |  |
| spaghetti stack | 意面式栈 | 面条式栈 |  |
| spam | 垃圾邮件 |  |  |
| spec | 规格 |  |  |
| special form | 特殊形式 |  |  |
| special variable | 特殊变量 |  |  |
| specialization | 特化 |  |  |
| specialize | 特化 |  |  |
| specialized array | 特化数组 |  |  |
| specification | 规格说明 | 规范 |  |
| splitter | 切分窗口 |  |  |
| sprite | 精灵图 |  |  |
| square | 平方 |  |  |
| square root | 平方根 |  |  |
| squash | 碰撞 |  |  |
| stack | 栈 |  |  |
| stack frame | 栈帧 |  |  |
| stakeholder |  |  |  |
| standard library | 标准函式库 |  |  |
| state machine | 状态机 |  |  |
| statement | 陈述 | 语句 |  |
| static type | 静态类型 |  |  |
| static type system | 静态类型系统 |  |  |
| status | 状态 |  |  |
| store | 保存 |  |  |
| stream | 流 |  |  |
| strict | 严格 |  |  |
| strict evaluation | 严格求值 |  |  |
| string | 字串 | 字符串 |  |
| string template | 字串模版 |  |  |
| strong type | 强类型 |  |  |
| structural recursion | 结构递归 |  |  |
| structured values | 结构型值 |  |  |
| subroutine | 子程序 |  |  |
| subset | 子集 |  |  |
| substitution | 代换 |  |  |
| substitution model | 代换模型 |  |  |
| subtype | 子类型 |  |  |
| superclass | 基类 |  |  |
| superfluous | 多余的 |  |  |
| supertype | 超集 |  |  |
| support | 支持 |  |  |
| suspend | 挂起 |  |  |
| swapping values | 交换变量的值 |  |  |
| symbol | 符号 |  |  |
| symbolic computation | 符号计算 |  |  |
| syntax | 语法 |  |  |
| system administrator | 系统管理员 |  |  |
| system administrator disease | 系统管理员综合症 |  |  |
| System Network Architecture, SNA | 系统网络体系 |  |  |

**T**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| (database)table | 数据表 |  |  |
| table | 表格 |  |  |
| tag | 标签 | 标记 |  |
| tail-recursion | 尾递归 |  |  |
| tail-recursive | 尾递归的 |  |  |
| TAOCP | 《计算机程序设计艺术》 |  |  |
| target | 目标 |  |  |
| taxable operators | 需节制使用的操作符 |  |  |
| taxonomy | 分类法 |  |  |
| template | 模版 |  |  |
| temporary object | 临时对象 |  |  |
| testing | 测试 |  |  |
| text | 文本 |  |  |
| text file | 文本文件 |  |  |
| thread | 线程 |  |  |
| thread safe | 线程安全 |  |  |
| three-valued logic | 三值逻辑 |  |  |
| throw | 抛出 | 丢掷 | 引发 |
| throwaway program | 一次性程序 |  |  |
| timestamp | 时间戳 |  |  |
| token | 词法记号 | 语义单位 | 语元 |
| top-down design | 自顶向下的设计 |  |  |
| top-level | 顶层 |  |  |
| trace | 追踪 |  |  |
| trailing space | 行尾空白 |  |  |
| transaction | 事务 |  |  |
| transition network | 转移网络 |  |  |
| transparent | 透明的 |  |  |
| traverse | 遍历 |  |  |
| tree | 树 |  |  |
| tree recursion | 树形递归 |  |  |
| trigger | 触发器 |  |  |
| tuple | 元组 |  |  |
| Turing machine | 图灵机 |  |  |
| Turing complete | 图灵完备 |  |  |
| typable | 类型合法 |  |  |
| type | 类型 |  |  |
| type constructor | 类构造器 |  |  |
| type declaration | 类型声明 |  |  |
| type hierarchy | 类型层级 |  |  |
| type inference | 类型推导 |  |  |
| type name | 类型名 |  |  |
| type safe | 类型安全 |  |  |
| type signature | 类型签名 |  |  |
| type synonym | 类型别名 |  |  |
| type variable | 类型变量 |  |  |
| typing | 类型指派 | 输入 |  |

**U**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| user interface, UI | 用户界面 |  |  |
| unary | 一元的 |  |  |
| underflow | 下溢 |  |  |
| unification | 合一 | 统一 |  |
| union | 并集 |  |  |
| universally quantify | 全局量化 |  |  |
| unqualfied | 未修饰的 |  |  |
| unwinding |  |  |  |
| uptime | 运行时间 |  |  |
| Uniform Resource Locator, URL | 统一资源定位符 |  |  |
| user | 用户 |  |  |
| utilities | 实用函数 |  |  |

**V**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| validate | 验证 |  |  |
| validator | 验证器 |  |  |
| value constructor | 值构造器 |  |  |
| vaporware | 朦胧件 |  |  |
| variable | 变量 |  |  |
| variable capture | 变量捕捉 |  |  |
| variadic input | 可变输入 |  |  |
| variant | 变种 |  |  |
| venture capitalist, VC | 风险投资商 |  |  |
| vector | 向量 |  |  |
| viable function | 可行函数 |  |  |
| video | 视频 |  |  |
| view | 视图 |  |  |
| virtual function | 虚函数 |  |  |
| virtual machine | 虚拟机 |  |  |
| virtual memory | 虚内存 |  |  |
| volatile | 挥发 |  |  |
| vowel | 元音 |  |  |

**W**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| warning message | 警告信息 |  |  |
| web server | 网络服务器 |  |  |
| weight | 权值 | 权重 |  |
| well type | 类型正确 |  |  |
| wildcard | 通配符 |  |  |
| window | 窗口 |  |  |
| word | 单词 | 字 |  |
| wrapper | 包装器 | 包装 |  |
| What You See Is What You Get, WYSIWYG | 所见即所得 |  |  |
| What You See Is What You Want, WYSIWYW | 所见即所想 |  |  |

**X**

**Y**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| Y combinator | Y组合子 |  |  |

**Z**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| Z-expression | Z-表达式 |  |  |
| zero-indexed | 零索引的 |  |  |

**专业名词**

|  |  |  |  |
| --- | --- | --- | --- |
| **英文** | **译法 1** | 译法 2 | 译法 3 |
| The Paradox of Choice | 选择谬论 |  |  |