Официален пищов за ПИ (К2) по СП

```
#include <signal.h>
typedef void (*sighandler_t)(int);
sighandler_t signal(int signum, sighandler_t handler);
int sigaction(int signum, const struct sigaction *act,
              struct sigaction *oldact);
int kill(pid_t pid, int sig);
int pause(void);
unsigned int alarm(unsigned int seconds);

#include <sys/ipc.h>
#include <sys/msg.h>
int msgget(key_t key, int msgflg);
int msgsnd(int msqid, const void *msgp, size_t msgsz, int msgflg);
int msgrcv(int msqid, void *msgp, size_t msgsz, long msgtyp, int msgflg);
int msgctl(int msqid, int cmd, struct msqid_ds *buf);

#include <sys/ipc.h>
#include <sys/shm.h>
int shmget(key_t key, size_t size, int shmflg);
void *shmat(int shmid, const void *shmaddr, int shmflg);
int shmdt(void *shmaddr);
int shmctl(int shmid, int cmd, struct shmid_ds *buf);

#include <sys/ipc.h>
#include <sys/sem.h>
int semget(key_t key, int nsems, int semflg);
int semop(int semid, struct sembuf *sops, unsigned nsops);
int semctl(int semid, int semnum, int cmd, union semun arg);



#include <signal.h>

struct sigaction {
  void     (*sa_handler)(int);
  void     (*sa_sigaction)(int, siginfo_t *, void *);
  sigset_t   sa_mask;
  int        sa_flags;
  void     (*sa_restorer)(void);
};

#include <sys/ipc.h>
struct ipc_perm {
  uid_t   uid;
  gid_t   gid;
  uid_t   cuid;
  gid_t   cgid;
  mode_t  mode;
};
```

```
#include <sys/msg.h>
struct msqid_ds {
  struct ipc_perm msg_perm;
  time_t          msg_stime;
  time_t          msg_rtime;
  time_t          msg_ctime;
  msgqnum_t       msg_qnum;
  msglen_t        msg_qbytes;
  pid_t           msg_lspid;
  pid_t           msg_lrpid;
};
struct msgbuf {     /* must be declared */
  long mtype;
  char mtext[];
};


#include <sys/shm.h>
struct shmid_ds {
  struct ipc_perm shm_perm;
  size_t          shm_segsz;
  time_t          shm_atime;
  time_t          shm_dtime;
  time_t          shm_ctime;
  pid_t           shm_cpid;
  pid_t           shm_lpid;
  msgqnum_t       shm_nattch;
};


#include <sys/sem.h>
struct semid_ds {
  struct ipc_perm sem_perm;
  time_t          sem_otime;
  time_t          sem_ctime;
  unsigned short  sem_nsems;
};
struct sembuf {
   unsigned short sem_num;
   short          sem_op;
   short          sem_flg;
};
union semun {       /* must be declared */
   int              val;
   struct semid_ds *buf;
   unsigned short  *array;
};
```