

This info file accompanies the paper "Groups $S_n \times S_m$ in Construction of Flag-transitive Block Designs" and follows the notation used in it.

The folder "FTIS for $S_n \times S_m$ " contains MAGMA files of the incidence structures $\Gamma(B)$, each yielding a flag-transitive design $D = I(\Omega, G, B)$ with automorphism group $G = S_n \times S_m$, $n, m \leq 70$, $\Omega = \{1, \dots, n\} \times \{1, \dots, m\}$. The files are read into MAGMA by an appropriate command of the form

```
load"filename";
```

The files are included in the folder "FTIS for $S_n \times S_m$ " in the following manner:

for all $i, j \leq 70$ such that there exists a flag-transitive design with automorphism group $S_i \times S_j$ the folder contains a file titled " $nimj$ " with list $nimj$ whose elements are incidence structures $\Gamma(B)$ constructed for given i and j .