

**Gurzo, G. G.**

**Systems of generators for normalizers of some elements of a braid group.** (Russian)

Zbl 0548.20022

Izv. Akad. Nauk SSSR, Ser. Mat. 48, No. 3, 476-519 (1984).

The author determines the normalisers of the following elements in the braid group  $B_{n+1}$  :  $\sigma_{i,j} = \sigma_i \sigma_{i+1} \dots \sigma_j$ ,  $\tau_{j,i} = \sigma_j \sigma_{j-1} \dots \sigma_i$ ,  $(\sigma_{i,j} \tau_{j,i})^t$  and  $(\tau_{j,i} \sigma_{i,j})^t$  and  $(\sigma_{i,j} \sigma_{i,j-1} \dots \sigma_{i,i})^t$ , where  $1 \leq i \leq j \leq n$  and  $t$  is a positive integer. The results are too complicated to give here.

Reviewer: [S.Moran](#)

**MSC:**

[20F36](#) Braid groups; Artin groups

[20E07](#) Subgroup theorems; subgroup growth

[20F05](#) Generators, relations, and presentations of groups

Cited in **3** Reviews  
Cited in **4** Documents

**Keywords:**

[normalisers](#); [braid group](#)