

## Index of symbols

(Page numbers here refer to first appearance, and teaching note if any)

|                       |   |  |  |
|-----------------------|---|--|--|
| $\mathcal{C}_{g,r}$   | family of closed surfaces, 54                         | +                                      | addition of surfaces, 399                      |
| $S \sim T$            | $S$ in the same family as $T$ , 41, 96                | $\overset{\cdot}{\underset{\cdot}{+}}$ | panel added along arc, 25                      |
| $\mathcal{P}_n$       | standard planar region with $n$<br>holes, 39, 101     | +                                      | panel added as a lid, 25                       |
| $\mathcal{S}_{p,g,r}$ | standard paper surface, 44, 101                       | + <sub>e</sub>                         | panel added as an ear, 35                      |
| $\mathcal{T}_n$       | standard punctured torus with $n$<br>handles, 42, 101 | + <sub>te</sub>                        | panel added as a twisted ear, 37               |
| Ⓓ                     | reference to Appendix B, x                            | + <sub>b</sub>                         | panel added as a bridge, 36                    |
| $\beta$               | number of boundary curves, 18,<br>100                 | + <sub>tb</sub>                        | panel added as a twisted bridge,<br>38         |
| $\chi$                | Euler number, 18,100                                  | + <sub>x</sub>                         | panel added in any one of<br>previous ways, 54 |

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