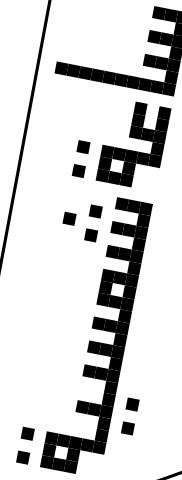
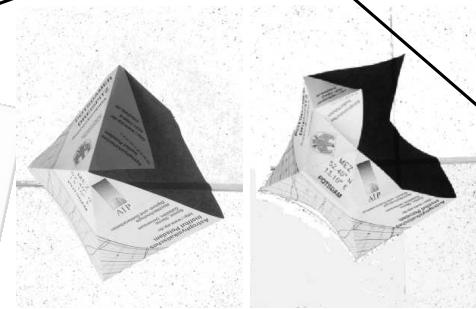
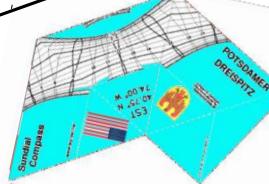


# POTSDAM

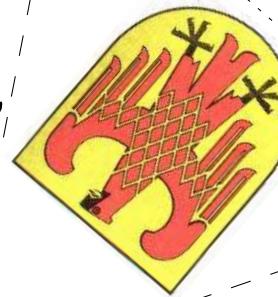


finds time and North

[www.aip.de/lie/](http://www.aip.de/lie/)



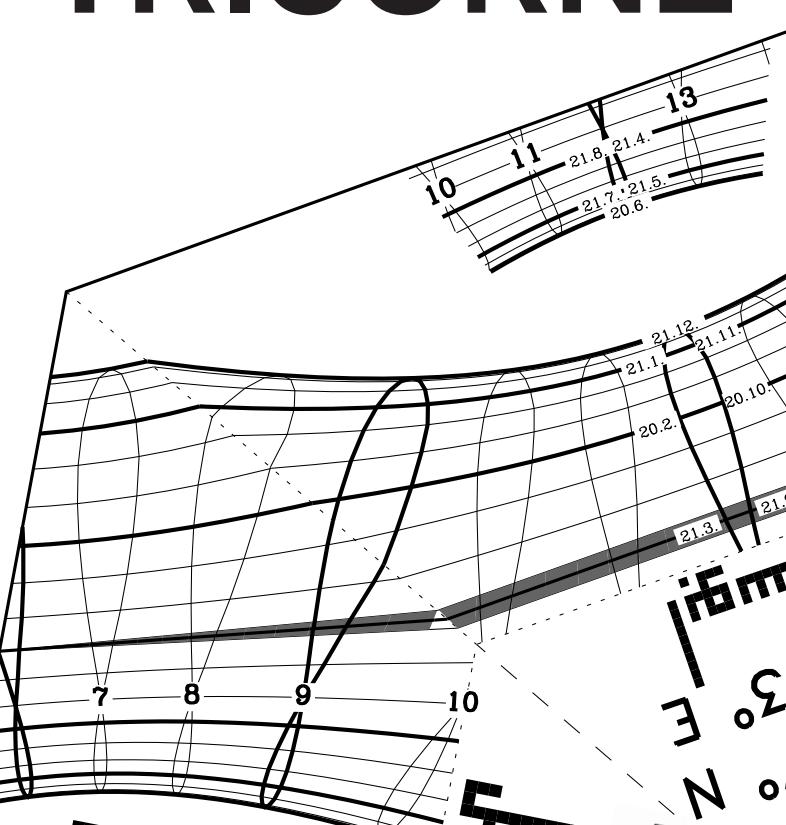
22.37° N  
31.63° E  
EET



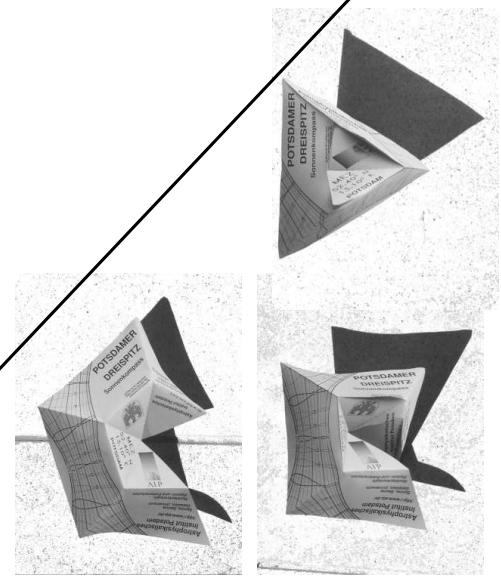
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deliebscher@aip.de

EET bei 22.37° N und 31.63° E

# TRICORNE



ABU SIMBEL  
SPENCIAL  
POTSDAM  
TRICORNE  
Sundial

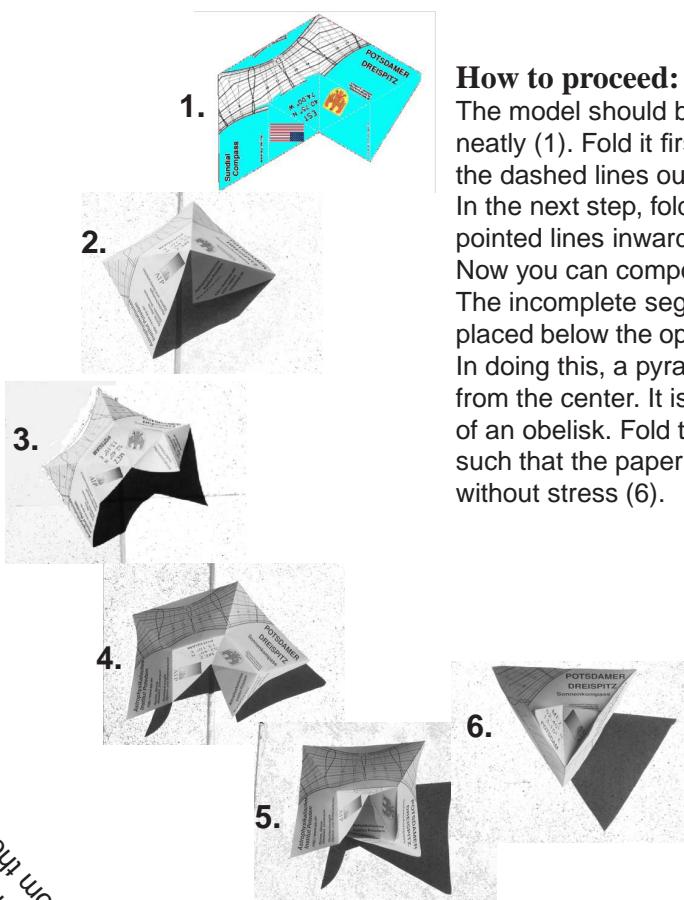




The variation of solar time against the legal time is already accounted for in the loop. The time that is read off the sundial has a fixed offset when the longitude differs from the indicated one. The difference in eastern longitude between the indicated one and that of the place of observation must be multiplied by 4 to yield the minutes that have to be added to the time shown by the Dreispitz.

The lines that cross the hat show the orbit of the shadow for the indicated date. On the hat show the orbit of the shadow for the direction by turning the indicated latitude, we find the shadow for the onto the correct calendar date. In other places, one must find this direction by other line. In other places, one must the marks on the calendar line, taking the time is read off of the hour loops that corresponds to the date.

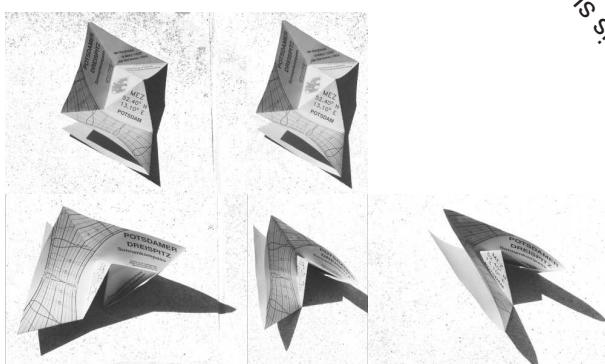
The Dreispitz is sundial and compass in one. We can determine it works well with a north compass. This compass is very sensitive to changes in the environment. When you know the difference between the indicated latitude and the geographic latitude, the clock works well. As indicated, depending on the north, the indicated latitude is less than 8 degrees from the indicated latitude. The time and compass from the indicated latitude are less than a degree less than the indicated one.



### How to proceed:

The model should be cut out neatly (1). Fold it first along the dashed lines outward (2,3). In the next step, fold along the pointed lines inward (4). Now you can compose the hat. The incomplete segment is placed below the opposite one (5). In doing this, a pyramid rises from the center. It is like the top of an obelisk. Fold the lines again such that the paper remains without stress (6).

### To fold it flat:



added to the time shown by the Dreispitz. by 4 to yield the minutes that have to be the place of observation must be multiplied by the indicated one and that of the longitude between the indicated one and that of the place of observation must be multiplied by the indicated one. The difference in eastern longitude has a fixed offset when the longitude differs from the indicated one. The time that is read off the sundial is against the legal time is already accounted for in the loop. The time that is read off the sundial has a fixed offset when the longitude differs from the indicated one. The difference in eastern longitude between the indicated one and that of the place of observation must be multiplied by 4 to yield the minutes that have to be added to the time shown by the Dreispitz.

