



Samband och parametrar

2006-05-03

Kontrollpunkter RT90 ↔ SWEREF 99

Plana koordinater i RT 90 2.5 gon V 0:-15:

A: x = 7453389.762 m y = 1727060.905 m

B: x = 7047738.415 m y = 1522128.637 m

C: x = 6671665.273 m y = 1441843.186 m

D: x = 6249111.351 m y = 1380573.079 m

Direktprojektion

Latitud och longitud i SWEREF 99:

A: $\varphi = 67^\circ 05' 26.452769''$ $\lambda = 21^\circ 02' 05.101575''$ B: $\varphi = 63^\circ 32' 14.761735''$ $\lambda = 16^\circ 14' 59.594626''$ C: $\varphi = 60^\circ 09' 33.882413''$ $\lambda = 14^\circ 45' 28.167152''$ D: $\varphi = 56^\circ 21' 17.199245''$ $\lambda = 13^\circ 52' 23.754022''$

Plana koordinater i SWEREF 99 TM:

A: x = 7454204.638 m y = 761811.242 m

B: x = 7046077.605 m y = 562140.337 m

C: x = 6669189.376 m y = 486557.055 m

D: x = 6246136.458 m y = 430374.835 m

7-parametertransformation

Latitud och longitud i RT 90:

A: $\varphi = 67^\circ 05' 31.562861''$ $\lambda = 21^\circ 02' 21.178495''$ B: $\varphi = 63^\circ 32' 18.479016''$ $\lambda = 16^\circ 15' 11.688015''$ C: $\varphi = 60^\circ 09' 36.127426''$ $\lambda = 14^\circ 45' 38.951409''$ D: $\varphi = 56^\circ 21' 17.776903''$ $\lambda = 13^\circ 52' 33.749724''$

Geocentriska koordinater i RT 90 (höjd = 0 m):

A: 2323506.4316 m 893735.7019 m 5851808.1136 m

B: 2735501.0700 m 797494.0303 m 5686384.2580 m

C: 3076269.3166 m 810535.3469 m 5508800.8354 m

D: 3438220.3410 m 849347.9170 m 5285896.6859 m

Geocentriska koordinater i SWEREF 99:

A: 2324011.7156 m 893722.1771 m 5852383.3450 m

B: 2736001.3596 m 797465.7925 m 5686955.6113 m

C: 3076768.2064 m 810494.7707 m 5509368.5971 m

D: 3438718.2379 m 849294.0934 m 5286460.5291 m

Latitud och longitud i SWEREF 99:

A: $\varphi = 67^\circ 05' 26.454925''$ $\lambda = 21^\circ 02' 05.105679''$ B: $\varphi = 63^\circ 32' 14.759990''$ $\lambda = 16^\circ 14' 59.591438''$ C: $\varphi = 60^\circ 09' 33.881760''$ $\lambda = 14^\circ 45' 28.167520''$ D: $\varphi = 56^\circ 21' 17.200061''$ $\lambda = 13^\circ 52' 23.753431''$

Plana koordinater i SWEREF 99 TM:

A: x = 7454204.710 m y = 761811.285 m

B: x = 7046077.551 m y = 562140.294 m

C: x = 6669189.356 m y = 486557.060 m

D: x = 6246136.483 m y = 430374.825 m

Radiell skillnad i SWEREF 99 TM mellan transformationsmetoderna.

A: 0.084 m

B: 0.069 m

C: 0.021 m

D: 0.027 m