claim 1, wherein one side of the active wheel shaft (111) is installed with a first crank (101), a first treadle shaft (103) and a first treadle (102), the first treadle (102) drives the first crank (101) for linking the active pulley, the other side of the active wheel shaft (111) is installed with a second crank (201), a second treadle shaft (203) and a second treadle (202), the second treadle (202) drives the second crank (201) for linking the active pulley.

3. A noncircular synchronous transmission pulley set having periodically varying speed ratio and circumference compensating function as claimed in any one claim of claims 1~~3~~2, wherein the periodical rotation ratio of the active pulley and the passive pulley is 1:2, 1:1, or 2:1 or other integer ratios.

4. A noncircular synchronous transmission pulley set having periodically varying speed ratio and circumference compensating function as claimed in any one claim of claims 1~~4~~3, wherein the periodical rotating ratio of the active pulley and the passive pulley is non-integer ratios.