Wind power complementary power generation valve

What is the complementarity of wind-PV power output?
With complementarity as the measurement standard, it can be concluded that the capacity rate of wind and PV power should be 0.43:0.57. The wind-PV power output complementarity evaluation index of the WMCB power system in the downstream Yalong River basin is v CICF = 0.1391. 4.2. Hydropower output under four wind-PV power capacity scenarios

What is the regional wind-PV complementarity evaluation method?
According to the regional wind-PV complementarity evaluation method that considers the fluctuation of wind and PV power output(in Section 2.1),the wind and PV power complementarity characteristics of the WMCB in the downstream Yalong River basin are analyzed.

Does the regional wind-PV power complementarity index consider fluctuation?
Although the wind and PV power output processes are uncontrollable,the wind and PV power output of the power system is complementary to each other in terms of certainty and randomness. Therefore,the regional wind-PV power complementarity index considers fluctuation(CICF),is adopted in this study.

Is there a benefit compensation mechanism for a large hydropower-wind-photovoltaic complementary operation?
The novelty of this paper lies in proposing a benefit compensation mechanismconsidering the contribution of different power generation entities to the system's incremental benefit,which explores the solution to the allocation of the benefit increment in the large hydropower-wind-photovoltaic complementary operation clean energy base.

What is wind-PV power output complementarity evaluation index (CICF)?
According to the wind-PV power output complementarity evaluation index (v CICF) proposed in Section 2.1,the average complementarity of the wind-PV combined power generation system is calculated under different wind-PV capacity rates,and then the best wind-PV capacity rate of the WMCB in the downstream Yalong River basin is determined.

Can a hybrid hydro-wind-PV complementary energy system be integrated into adjustable hydropower?
One promising solutionis to integrate wind and PV power into adjustable hydropower to form a hybrid hydro-wind-PV complementary energy system (HWPES) .

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