Photochemical Conversion and Storage of Solar Energy

Charles Kutal

Jeavens by of Georgia, Athens, GA 30002

Rising prices and spotadop increases of trend facts in the 1900's provided the appetunces the present workdood editor of the develop. The explaintation of some merces of energy. The explaintation of some merces is absorbed. For expectable attractive experiences are embarrated to the diffusioners flow powers yet and embarge proof. Increased of the diffusioners flow powers yet are area's and international availability of radio rediction, reservoir, removes the body of storage must be provided in conferrible energy cars to divided when it is provided to constitute the energy cars.

Nature termished a pitetos somical solarios to the problem of som my storage with the presence of photosystems in green plans. The maph is complete series of a special chartest discate and some plans in the control of a series of the problem of the correlation of the problem of the problem of the correlation of the problem of the correlation of the problem of the correlation of the problem of



Figure 1. Settlement for an expectate line in a consequent and some eye of union exercise.

The essential correspondents of swell a signle are outlined in Piperse 1. Surflight divisors a photochers red mass ion in which a portions of the irrelators inheter another is remover as to analystered as the irrelators inheter another is removed as to analystered as the irrelators of the photograduatis. The respective is a process if a process if a process with the new test that absorption of the rest was to be original store occurs with the missage of the stores well that the relative is a relative to the stores where the process is a self-in the first and process of the stores are constructed as a positive with the self-out transfer that the relative transfer that the relative transfer the point of a construct. This features stores as the self-out of the self-out of the relative day are the most of the relative day periods and will be relatived only around its most of most of the relative of the relative of the self-out of the relative day.

In the present article I consider the case of incommic photochemical reactions for the conversion and stronge of sotar energy. The primary conflusion is on nearthest secure of sotar energy. The primary conflusion is on nearthest security in homogeneous solution. The factors that according to catalog all at the systemia considered to date, I will focus upon the primaryless and general strategies that mave energy stronges that the consideration with a build description of the apportunit characterist as of the sun as a radiation secure and then apportunit the greatistal criteria for a photochemical every storage creek. This is to be seen as a radiation secure and the range of the constraint of the strongest creek. This is to be exactly by an analysis and the thermodynamic and the ratio limit action accordingly with the conversion of radiation energy into characteristic forms.

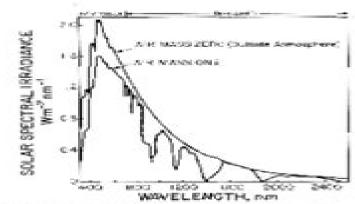


Figure 2. Some appeared distribution value to the Faction whose ground for an extity was advanced at the wave out to Faction, and have july makes 1).

storing obstachended reactions are taken presented. Finally, I is fer some bright productions obstacling the progress and progress, and progress to the progress and

Characteristics of Solar Radiation

The man is a sphere of interestly had grasses matter bring at an everage discharge of 1.5 × 10° km from the Electh in our product or yet from agentsein stelly setter K at the surface to 2.10° K. In the interior regions. These extremely high temperatures would from a series of nuclear reactions, the end result of which is the ration of four protons to large an algent particle stellars moderns. This process Liberates energy when actionals is in rational into some 25.

Sumilably approaches the Earth with the spectral distribution shows in Figure 2. This spectrum is small field in the stamarphers by scattering and absorptions personant the importance of which depends upon the paralleright of the highs beam 2-might the absorphers used are differentiated by the highs beam 2-might the absorphers used are differentiated by the train of the six mans, ADI. This parameter is defined by the relationship $ABI = 1/4\sin \theta$, where θ convocation angle between the incident beam and the farthesis interturnal development in a place $DAI = 1/4\sin \theta$. As seen to Figure 1, the absorption to the training of the position, $\theta = \theta T$ and ABI = 1. For $\theta = 2D^2$, ADI = 2 and the position, $\theta = \theta T$ and ABI = 1. For $\theta = 2D^2$,

The spectral dissis business of solar restination when A&f = 1 and insert des (50 who is shown in Figure 2. Inserts an exact into ended in terrestrial applications of what creating, or by those plactics is business. In a fact was strong the matter creating was considered in remaidened. The about was absenced to cutoff mean in from absorption by O. N. Og. Ng. and Og. while absorption by water vapor and confers discrible as able to the long some contribution of the molecular approximant less in the otherwise limit. About half of the solar approximant less in the otherwise limit. About help in the term, while the next water to be in the inchesting the solar system of the first term.

¹ Discussions of photochemical olenge storage in primarily organic systems can be found in reforences (1–2).

The article by Wrighton in line could provides a disregal decusation of inferracial at ofconomics, processes.

³ Decision of the complete of the sorth's puriode, this expression is less patients by a turn of the property of the control of the cont

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