Dollar, D., and Wolff, E. N.: Competitiveness, Convergence, and International Specialization. IX, 228 pp. MIT Press, Cambridge, MA London, 1993. Hard-cover US \$ 47.25.

tinues future the that the country will lose its economic position in Europe an However, the debate in the US on its future economic position is sive, and even the Japanese are suffering from considerable self terms of catching-up Japan and Germany caught up Japan's velopment Dollar industrialized countries (NICs). For living, the Americans should not consider unabatedly economic and most economic economic performance. within the last thirty process of the OECD Edward N. can be advanced performance has been intense during future. Molff in, interpreted for example, industrialized countries, Keeping ). For example, they investigate why to the US, in terms of productivity and ping these economic anxieties in mind, present some interesting insights into the conomies as well as some selected as years. Germany, themselves as having "natural" One of where development and their main findings is the public there the past decade. been left behind in IS debate about the on is just as inten-e self-doubt about B and the selected newly pervasive that into the detherefore and how standard that this It con-David world. about

gar describing enterprises high-quality Although "economic can realize their economic "economic but low-cost high exports competitiveness" is often applied to countries competitiveness" status, it products high market shares. Following is often done inappropriately. In the which can be sold worldwide, so the sold worldwide with the sold worldwide worldwide with the sold worldwide with the sold worldwide with the sold worldwide worldwide with the sold worldwide worldwide worldwide worldwide worldwide with the sold worldwide wor producso the when case

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thought, an aggregate economy would be competitive if it consists of numerous competitive firms that achieved a trade balance surplus. However, economists agree that, at least in the long run, a look at trade balances gives no indication of the competitiveness of a particular country. For instance, a trade surplus achieved by low real wages or a heavily devaluated domestic currency does not raise the welfare of a nation and is thus not a meaningful measure of competitiveness.

international trade via high technology and high income and wages" (p. 3). Their book ductivity performances across countries and across sectors or industries within not maintain their productivity advantage over time. Rather it should be exisons and has its roots in Gerschenkron's on the one hand and Solow's neoclassical countries. These comparisons constitute a in terms of productivity and prosperity over time.

This view has been seriously challenged in recent years by some models bate. The convergence argument deals with pected that different For Dollar and Wolff, a competitive countries in the world economy will become more equal "advantage of backwardness thesis" growth model on the other. Accordcontribution to the convergence denation is one "that can succeed in interregional development comparproductivity, with accompanying is primarily a comparison of prowith accompanying

tions which allow for persistent endogenous growth and diverging productivity levels across regions. Since the mid-1980s, a considerable amount of research of the so-called new in absolute terms, but there may be an absolute convergence among the more advanced economies within the OECD. Among larger samples of countries a dence on whether or not poorer countries income of the richer ones. So far, the evidence seems to show that there is no has been conducted by economists who convergence of labor productivity among all countries in the world economy the most aggregate most all available convergence studies deal with productivity comparisons levels after controlling for some human capital, and international trading conditional convergence level. growth theory. may arise, i.e., convergence of productivity important factors of growth like investment, trading relations. It should be noted that al-The have tried to establish empirical evi-are able to catch-up to the per-capita se models assume production condi-

to catch-up to the productivity leaders in two different ways: first, by shifting the labor force of so-called low-productivity sectors and industries into high-productivity ones and second by realizing high productivity growth in basically convergence not only on the aggregate level. This question arises out of the faall sectors and industries within the country. countries according to factor endowmen tial employment mix shifts toward high ertheless show different levels of aggregate productivity, because the distribucountries could have the growth and convergence process. In their employment book, Dollar and Wolff set out to provide whether there 3. high- and low-value-added sectors is different across within the country. The former possibility means that same labor productivity at the industry level but nevthe fact ts. Convergence results -productivity industries. but also on the sector t that poorer countries may be able two different ways: first, by shifting further insights into results when the inithere may be and industry This process

policy book therefore provides a strong contention convergence of the simultaneously in all industries and sectors. If crences in productivity exist on the a clear evidence for convergence productivity for market shares in specific high-value-added sectors. argument that claims the disaggregate level, gradually changing factor advances employment mix in the OECD economic are realized existence of strategic sectors.
fute the so-called "deindustrialization disaggregate level, but they on the endowments. to the familiar trade and industry micro level and evidence against sectors, cannot poor countries are and some of the NICs. be seen as a successful states second possibility Dollar and Wolff intercountry difwill decline catching up Their

the US, across countries broadly mirrors the which proclaim the loss of industrial cores accompanied by a decline in industrial products with that of other output and export shares. Dollar the year the authors focus has received widespread atten as the a significant decline and Wolff most advanced economy in the postwar period, has not expe aim to refute in its Comparing American output and export shares relative economic position. Moreover, n, the distribution of manufacturing out tion in the US. Proponents of this thesis advanced economies, they manufacturing output manufacturfind that thesis,

to view per-capita output as an apulation is not a proper measure of far from being equal advanced sults are somewhat misleading. Of course it is inappropriate to look at absolute values of output or export shares With respect to productivity sections of the among countries. the in the OECD countries terms book, an appropriate "competitiveness" and "convergence" labor productivity, i.e., output-per-worker, was the when comparing the competitiveness or labor force. In fact, as shown in the more However, it is also not fully satisfying method of measurement, since pop in the focus year 1985. these

make amounted, relatively to the US, to 47% weighted average of ability and this sector's overwhelming sector and its and trade. A closer look 1963 to 1986 pothesis. observed aggregate the main process sectors To this end, the industries. part of economic performance of the countries more of thirteen OECD countries shows that during the period of twelve Dollar's convergence. at the relative transparent, the authors Concentration follower and Dollar and deal extensively with the manufacturing **Volff's** This analysis is conducted in two steps. countries' labor productivity levels within the manimportance for international production in 1963 on manufacturing is due to data availbook examines value-added per hour worked and 60% in 1986. In order to Wolff look at the sources the convergence

an explanation for declining disparities of intensive industries. abundance, industry level. also in almost all output shift in the employment mix worked in manufacturing and employment mixes shows for They example, has and individual Nevertheless, find that the coefficient Wolff nor industri declined not only at the aggregate 0 fficient of varia hat extent catching-up was initiated 6 that their variation cannot be employment concentration in capital labor productivity. Wolff show that the convergence variation of value-added accounting for of productivities on the The US' level different

process was still more pronounced at the aggregate level than at the industry level. Follower countries converged in basically all industries, but each country had a few specialized industries in which it did particularly well.

and the mid-1970s, productivity convergence was primarily a result of techlevel. Q effect between capital accumulation and technological change among manufacturing industries. They explain this interaction on the one hand by the consequence of this period. capital formation by total factor productivity growth. within the OECD sample exploited their advantage of backwardness during familiar embodiment effect and Gerschenkron's spirit, Dollar and Wolff find still continues. In recent years, convergence must be interpreted more as a the diminution of inter-country convergence Dollar Second, the authors investigate the relative importance of capital-labor ra-convergence and the diminishing variation of technological sophistication Their growth accounting approach shows that, between the early 1960s transfers measured by the catching-up of total factor productivity. In enkron's spirit, Dollar and Wolff find that the most backward countries and Wolff Although the convergence process converging capital-labor ratio than of technological catchingalso continue on the other productivity differentials at the industry to find evidence of a strong interaction hand by the stimulation of new slowed down in the mid-1970s, the

When applying the same methods to sectors other than the manufacturing sector and also to aggregate economies, the authors were able to confirm their earlier line of argument. It is particularly remarkable that convergence took place in all sectors, and that convergence was stronger on the aggregate level than within sectors, hinting again at the international specialization of the respective countries.

differences became a less dominant factor in explaining unit cost differences than the total factor productivity. Hence, it is not surprising that if a country's total factor productivity in a single industry other countries, the country becomes more competitive and expands its share of world trade. Therefore trade patterns reflect total factor productivity adpatterns of the industrial countries are not converging. of world trade. comparative advantage is closely tied to the relative total factor productivity are more severe on the growth of vantages. The country-specific total factor advantages have been reflected in unit costs, meaning that real wage then, used to explain trade Moreover, the authors show that the change in a country's revealed its industries. industry level than As cross-country trade patterns patterns. productivity advantages on the industry gaps is growing rapidly compared with on the aggregate level, the trade Since the 1980s, these productotal factor productivity

derive some policy recommendations. Since they show that "strategic sectors" do not exist, they argue that there is no reason to protect special industries. The and industries. Different countries have achieved high productivity levels by politicians, from proposing US Department of Defense specializing cal spillovers and therefore induce high productivity growth in other sectors Department the last do not find Ħ very chapter of their book, out industries that generate especially strong technologidifferent industry plays a industries. role policy Dollar and cy as a growth strategy. In fact, the similar to the one MITI (Ministry of That does not stop others, Wolff use their results to mostly

International Trade and Industry) plays in Japan, and in the European Union the governments are also not abstinent in this respect.

Since technological progress is the engine of growth, Dollar and Wolff

Since technological progress is the engine of growth, Dollar and Wolff recommend R&D policy that creates incentives for private firms to engage in research and that also produces basic scientific advances in the public sector. Public engagement in research and development may be necessary since market failure characterizes this field of production. Further growth enhancing activities by governments would be, as Dollar and Wolff argue in a more intuitive way, a solid provision of education and an improvement of public infrastructure. The diminishing demand of the military sector after the Cold War is seen by the authors as a financial source of productive public investment open to Western industrialized nations. In addition, the reduced demand for public spending may also have a positive effect on private investment as public deficits and therefore capital absorption shrink.

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